

John F Fraser

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5751660/john-f-fraser-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

283
papers

5,970
citations

39
h-index

69
g-index

310
ext. papers

8,016
ext. citations

4.9
avg, IF

5.87
L-index

#	Paper	IF	Citations
283	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	40	333
282	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, 488-96	10.2	290
281	The inflammatory response to extracorporeal membrane oxygenation (ECMO): a review of the pathophysiology. <i>Critical Care</i> , 2016 , 20, 387	10.8	275
280	Pharmacokinetic changes in patients receiving extracorporeal membrane oxygenation. <i>Journal of Critical Care</i> , 2012 , 27, 741.e9-18	4	193
279	Initial ELSO Guidance Document: ECMO for COVID-19 Patients with Severe Cardiopulmonary Failure. <i>ASAIO Journal</i> , 2020 , 66, 472-474	3.6	178
278	A Randomized Trial of High-Flow Oxygen Therapy in Infants with Bronchiolitis. <i>New England Journal of Medicine</i> , 2018 , 378, 1121-1131	59.2	177
277	Sequestration of drugs in the circuit may lead to therapeutic failure during extracorporeal membrane oxygenation. <i>Critical Care</i> , 2012 , 16, R194	10.8	171
276	Use of high-flow nasal cannula oxygenation in ICU adults: a narrative review. <i>Intensive Care Medicine</i> , 2016 , 42, 1336-49	14.5	165
275	Position paper for the organization of ECMO programs for cardiac failure in adults. <i>Intensive Care Medicine</i> , 2018 , 44, 717-729	14.5	162
274	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	10.8	130
273	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, 759-61	7.3	107
272	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	10.8	105
271	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, 887-94	14.5	104
270	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, 2432-8	1.4	93
269	Bivalirudin for Alternative Anticoagulation in Extracorporeal Membrane Oxygenation: A Systematic Review. <i>Journal of Intensive Care Medicine</i> , 2017 , 32, 312-319	3.3	86
268	Cytotoxicity of topical antimicrobial agents used in burn wounds in Australasia. <i>ANZ Journal of Surgery</i> , 2004 , 74, 139-42	1	83
267	A compact mock circulation loop for the in vitro testing of cardiovascular devices. <i>Artificial Organs</i> , 2011 , 35, 384-91	2.6	80

266	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	10.2	72
265	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	2.4	71
264	Emerging spectra of silent brain infarction. <i>Stroke</i> , 2014 , 45, 3461-71	6.7	67
263	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	4.0	66
262	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	10.8	66
261	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	2.3	66
260	Age of blood and recipient factors determine the severity of transfusion-related acute lung injury (TRALI). <i>Critical Care</i> , 2012 , 16, R19	10.8	57
259	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	14.5	55
258	Theoretical foundations of a Starling-like controller for rotary blood pumps. <i>Artificial Organs</i> , 2012 , 36, 787-96	2.6	52
257	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	10.2	50
256	Fundamentals of aerosol therapy in critical care. <i>Critical Care</i> , 2016 , 20, 269	10.8	50
255	The Complex Relationship of Extracorporeal Membrane Oxygenation and Acute Kidney Injury: Causation or Association?. <i>BioMed Research International</i> , 2016 , 2016, 1094296	3	49
254	Restricted fluid resuscitation in suspected sepsis associated hypotension (REFRESH): a pilot randomised controlled trial. <i>Intensive Care Medicine</i> , 2018 , 44, 2070-2078	14.5	49
253	Securement methods for peripheral venous catheters to prevent failure: a randomised controlled pilot trial. <i>Journal of Vascular Access</i> , 2015 , 16, 237-44	1.8	46
252	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	2.6	46
251	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	4.5	46
250	Mechanical circulatory support in the new era: an overview. <i>Critical Care</i> , 2016 , 20, 66	10.8	44
249	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	10.2	43

248	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	10.8	42
247	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, 491-4	4	41
246	Biventricular assist devices: a technical review. <i>Annals of Biomedical Engineering</i> , 2011 , 39, 2313-28	4.7	41
245	Extracorporeal life support for adults with acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2020 , 46, 2464-2476	14.5	40
244	Skin Glue Reduces the Failure Rate of Emergency Department-Inserted Peripheral Intravenous Catheters: A Randomized Controlled Trial. <i>Annals of Emergency Medicine</i> , 2016 , 68, 196-201	2.1	39
243	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	2.9	38
242	Fibrinogen Early In Severe Trauma study (FEISTY): study protocol for a randomised controlled trial. <i>Trials</i> , 2017 , 18, 241	2.8	38
241	Starling-like flow control of a left ventricular assist device: in vitro validation. <i>Artificial Organs</i> , 2014 , 38, E46-56	2.6	38
240	Extracorporeal Membrane Oxygenation in Pregnant and Postpartum Women With H1N1-Related Acute Respiratory Distress Syndrome: A Systematic Review and Meta-analysis. <i>Obstetrics and Gynecology</i> , 2016 , 127, 241-7	4.9	36
239	Ceftazidime improves hemodynamics and oxygenation in ovine smoke inhalation injury and septic shock. <i>Intensive Care Medicine</i> , 2007 , 33, 1219-1227	14.5	36
238	ECMO use in COVID-19: lessons from past respiratory virus outbreaks-a narrative review. <i>Critical Care</i> , 2020 , 24, 301	10.8	35
237	Extracorporeal membrane oxygenation for very high-risk transcatheter aortic valve implantation. <i>Heart Lung and Circulation</i> , 2014 , 23, 957-62	1.8	35
236	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	2.6	32
235	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	4.7	31
234	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	3.2	30
233	REstricted Fluid REsuscitation in Sepsis-associated Hypotension (REFRESH): study protocol for a pilot randomised controlled trial. <i>Trials</i> , 2017 , 18, 399	2.8	28
232	Effect of smoke inhalation on viscoelastic properties and ventilation distribution in sheep. <i>Journal of Applied Physiology</i> , 2006 , 101, 763-70	3.7	28
231	Nano- and micro-materials in the treatment of internal bleeding and uncontrolled hemorrhage. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 507-519	6	28

230	High-flow nasal cannulae for respiratory support in adult intensive care patients. <i>The Cochrane Library</i> , 2017 , 5, CD010172	5.2	27
229	A comprehensive study of ovine haemostasis to assess suitability to model human coagulation. <i>Thrombosis Research</i> , 2014 , 134, 468-73	8.2	26
228	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	2.4	26
227	Fibrinogen in traumatic haemorrhage: A narrative review. <i>Injury</i> , 2017 , 48, 230-242	2.5	25
226	Physiological control of dual rotary pumps as a biventricular assist device using a master/slave approach. <i>Artificial Organs</i> , 2014 , 38, 766-74	2.6	24
225	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, 140-8	2.9	24
224	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	1.8	24
223	Transesophageal echocardiography in the management of burn patients. <i>Burns</i> , 2014 , 40, 630-5	2.3	23
222	A randomized, controlled pilot clinical trial of cryopreserved platelets for perioperative surgical bleeding: the CLIP-I trial (Editorial, p. 2759). <i>Transfusion</i> , 2019 , 59, 2794-2804	2.9	22
221	Securing All intraVenous devices Effectively in hospitalised patients--the SAVE trial: study protocol for a multicentre randomised controlled trial. <i>BMJ Open</i> , 2015 , 5, e008689	3	21
220	Atrial versus ventricular cannulation for a rotary ventricular assist device. <i>Artificial Organs</i> , 2010 , 34, 714-20	2.0	21
219	In Vitro Comparison of Active and Passive Physiological Control Systems for Biventricular Assist Devices. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 1370-80	4.7	20
218	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	3.2	20
217	Speaking valves in tracheostomised ICU patients weaning off mechanical ventilation--do they facilitate lung recruitment?. <i>Critical Care</i> , 2016 , 20, 91	10.8	20
216	Neurologic injury and protection in adult cardiac and aortic surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015 , 29, 185-95	2.1	20
215	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, 807-13	2.6	20
214	Deep dermal burn injury results in scarless wound healing in the ovine fetus. <i>Wound Repair and Regeneration</i> , 2005 , 13, 189-97	3.6	20
213	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	2.6	20

212	Are pressure injuries related to skin failure in critically ill patients?. <i>Australian Critical Care</i> , 2018 , 31, 257-263	2.3	19
211	Geriatric cardiac surgery: chronology vs. biology. <i>Heart Lung and Circulation</i> , 2014 , 23, 794-801	1.8	19
210	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	2.3	19
209	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	2.8	19
208	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	14.5	18
207	Neurological Injury in Intermediate-Risk Transcatheter Aortic Valve Implantation. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	18
206	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.e1-7	4	18
205	Low flow rate alters haemostatic parameters in an ex-vivo extracorporeal membrane oxygenation circuit. <i>Intensive Care Medicine Experimental</i> , 2019 , 7, 51	3.7	17
204	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, 674-84	3.3	17
203	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	10.2	17
202	Review article: Sepsis in the emergency department - Part 2: Investigations and monitoring. <i>EMA - Emergency Medicine Australasia</i> , 2018 , 30, 4-12	1.5	16
201	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	2.6	16
200	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, 468309	3	16
199	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, 536-43	1.5	16
198	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	4.1	15
197	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	10.8	14
196	Mesenchymal stem cells may ameliorate inflammation in an ex vivo model of extracorporeal membrane oxygenation. <i>Perfusion (United Kingdom)</i> , 2019 , 34, 15-21	1.9	14
195	An Ovine Model of Hyperdynamic Endotoxemia and Vital Organ Metabolism. <i>Shock</i> , 2018 , 49, 99-107	3.4	14

194	The morning after the night before: campfires revisited. <i>Medical Journal of Australia</i> , 2003 , 178, 30	4	14
193	Speaking valves as part of standard care with tracheostomized mechanically ventilated patients in intensive care unit. <i>Journal of Critical Care</i> , 2015 , 30, 1119-20	4	13
192	Advances in critical care management of patients undergoing cardiac surgery. <i>Intensive Care Medicine</i> , 2018 , 44, 799-810	14.5	13
191	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	2.1	13
190	ECMO as a bridge to non-transplant cardiac surgery. <i>Journal of Cardiac Surgery</i> , 2017 , 32, 514-521	1.3	13
189	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, 931-9	2.6	13
188	In vitro evaluation of aortic insufficiency with a rotary left ventricular assist device. <i>Artificial Organs</i> , 2013 , 37, 802-9	2.6	13
187	Transfusion of packed red blood cells at the end of shelf life is associated with increased risk of mortality - a pooled patient data analysis of 16 observational trials. <i>Haematologica</i> , 2018 , 103, 1542-1548	6.6	13
186	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	3.7	12
185	Evaluation of inflow cannulation site for implantation of right-sided rotary ventricular assist device. <i>Artificial Organs</i> , 2013 , 37, 704-11	2.6	12
184	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	14.5	12
183	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	5.8	12
182	Biofilm formation and migration on ventricular assist device drivelines. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 159, 491-502.e2	1.5	12
181	Contrast echocardiography in critical care: echoes of the future? A review of the role of microsphere contrast echocardiography. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2011 , 13, 44-55	2.8	12
180	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	4	11
179	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	4	11
178	Evidence of altered haemostasis in an ovine model of venovenous extracorporeal membrane oxygenation support. <i>Critical Care</i> , 2017 , 21, 191	10.8	11
177	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	2.6	11

176	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	3	11
175	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, 198262	1	11
174	Left ventricular endocardial definition enhancement using perflutren microsphere contrast echocardiography during peripheral venoarterial extracorporeal membranous oxygenation. <i>Echocardiography</i> , 2010 , 27, E112-4	1.5	11
173	Respiratory support for infants with bronchiolitis, a narrative review of the literature. <i>Paediatric Respiratory Reviews</i> , 2019 , 30, 16-24	4.8	11
172	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	2.2	10
171	Endogenous Tetrapyrroles Influence Leukocyte Responses to Lipopolysaccharide in Human Blood: Pre-Clinical Evidence Demonstrating the Anti-Inflammatory Potential of Biliverdin. <i>Journal of Clinical & Cellular Immunology</i> , 2014 , 5, 1000218	2.7	10
170	The Australasian Resuscitation In Sepsis Evaluation: Fluids or vasopressors in emergency department sepsis (ARISE FLUIDS), a multi-centre observational study describing current practice in Australia and New Zealand. <i>EMA - Emergency Medicine Australasia</i> , 2020 , 32, 586-598	1.5	10
169	Cannula and circuit management in peripheral extracorporeal membrane oxygenation: An international survey of 45 countries. <i>PLoS ONE</i> , 2019 , 14, e0227248	3.7	10
168	Lung Pharmacokinetics of Tobramycin by Intravenous and Nebulized Dosing in a Mechanically Ventilated Healthy Ovine Model. <i>Anesthesiology</i> , 2019 , 131, 344-355	4.3	10
167	Meta-Analysis of Electroacupuncture in Cardiac Anesthesia and Intensive Care. <i>Journal of Intensive Care Medicine</i> , 2019 , 34, 652-661	3.3	10
166	Inflammation and lung injury in an ovine model of fluid resuscitated endotoxemic shock. <i>Respiratory Research</i> , 2018 , 19, 231	7.3	10
165	Effect of ex vivo extracorporeal membrane oxygenation flow dynamics on immune response. <i>Perfusion (United Kingdom)</i> , 2019 , 34, 5-14	1.9	9
164	Feasibility of perflutren microsphere contrast transthoracic echocardiography in the visualization of ventricular endocardium during venovenous extracorporeal membrane oxygenation in a validated ovine model. <i>Echocardiography</i> , 2015 , 32, 548-56	1.5	9
163	An advanced mock circulation loop for in vitro cardiovascular device evaluation. <i>Artificial Organs</i> , 2020 , 44, E238-E250	2.6	9
162	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	2.2	9
161	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	3.7	9
160	Head-of-bed elevation improves end-expiratory lung volumes in mechanically ventilated subjects: a prospective observational study. <i>Respiratory Care</i> , 2014 , 59, 1583-9	2.1	9
159	A compliant, banded outflow cannula for decreased afterload sensitivity of rotary right ventricular assist devices. <i>Artificial Organs</i> , 2015 , 39, 102-9	2.6	9

158	Cardiac surgery in Indigenous Australians--how wide is the gap?. <i>Heart Lung and Circulation</i> , 2014 , 23, 265-72	1.8	9
157	In vitro evaluation of a compliant inflow cannula reservoir to reduce suction events with extracorporeal rotary ventricular assist device support. <i>Artificial Organs</i> , 2011 , 35, 765-72	2.6	9
156	ECMO during the COVID-19 pandemic: When is it justified?. <i>Critical Care</i> , 2020 , 24, 650	10.8	9
155	Apples and oranges: international comparisons of COVID-19 observational studies in ICUs. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 952-953	35.1	9
154	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	3.3	9
153	Efforts to Attenuate the Spread of Infection (EASI): a prospective, observational multicentre survey of ultrasound equipment in Australian emergency departments and intensive care units. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2015 , 17, 43-6	2.8	9
152	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	1.5	8
151	Coronary artery bypass grafting is associated with immunoparalysis of monocytes and dendritic cells. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 4791-4803	5.6	8
150	Mitral Valve Regurgitation with a Rotary Left Ventricular Assist Device: The Haemodynamic Effect of Inlet Cannulation Site and Speed Modulation. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 2674-82	4.7	8
149	Quantification of perflutren microsphere contrast destruction during transit through an ex vivo extracorporeal membrane oxygenation circuit. <i>Intensive Care Medicine Experimental</i> , 2016 , 4, 7	3.7	8
148	Design and rationale of the COVID-19 Critical Care Consortium international, multicentre, observational study. <i>BMJ Open</i> , 2020 , 10, e041417	3	8
147	Effect of infusion set replacement intervals on catheter-related bloodstream infections (RSVP): a randomised, controlled, equivalence (central venous access device)-non-inferiority (peripheral arterial catheter) trial. <i>Lancet, The</i> , 2021 , 397, 1447-1458	40	8
146	Effects of volume resuscitation on the microcirculation in animal models of lipopolysaccharide sepsis: a systematic review. <i>Intensive Care Medicine Experimental</i> , 2016 , 4, 38	3.7	8
145	Cardiovascular disease in SARS-CoV-2 infection. <i>Clinical and Translational Immunology</i> , 2021 , 10, e1343	6.8	8
144	Therapeutic Inhibition of Acid-Sensing Ion Channel 1a Recovers Heart Function After Ischemia-Reperfusion Injury. <i>Circulation</i> , 2021 , 144, 947-960	16.7	8
143	Patients want to be heard-loud and clear!. <i>Critical Care</i> , 2017 , 21, 6	10.8	7
142	Review article: Sepsis in the emergency department - Part 3: Treatment. <i>EMA - Emergency Medicine Australasia</i> , 2018 , 30, 144-151	1.5	7
141	Intraoperative Cerebral Perfusion Disturbances During Transcatheter Aortic Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 1564-1568	2.7	7

140	Novel 24-h ovine model of brain death to study the profile of the endothelin axis during cardiopulmonary injury. <i>Intensive Care Medicine Experimental</i> , 2015 , 3, 31	3.7	7
139	A preliminary investigation into adrenal responsiveness and outcomes in patients with cardiogenic shock after acute myocardial infarction. <i>Journal of Critical Care</i> , 2014 , 29, 470.e1-6	4	7
138	Increasing the transmitted flow pulse in a rotary left ventricular assist device. <i>Artificial Organs</i> , 2012 , 36, 859-67	2.6	7
137	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	1.4	7
136	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	4.1	7
135	Evaluation of an intraventricular balloon pump for short-term support of patients with heart failure. <i>Artificial Organs</i> , 2019 , 43, 860-869	2.6	6
134	Enteral hydration in high-flow therapy for infants with bronchiolitis: Secondary analysis of a randomised trial. <i>Journal of Paediatrics and Child Health</i> , 2020 , 56, 950-955	1.3	6
133	Topographical distribution of perioperative cerebral infarction associated with transcatheter aortic valve implantation. <i>American Heart Journal</i> , 2018 , 197, 113-123	4.9	6
132	Can optimal drug dosing during ECMO improve outcomes?. <i>Intensive Care Medicine</i> , 2013 , 39, 2237	14.5	6
131	Intracardiac echocardiography guided transeptal catheter injection of microspheres for assessment of cerebral microcirculation in experimental models. <i>Cardiology Research and Practice</i> , 2013 , 2013, 595838	1.9	6
130	Dissimilar Respiratory and Hemodynamic Responses In TRALI Induced by Stored Red Cells and Whole Blood Platelets.. <i>Blood</i> , 2010 , 116, 1112-1112	2.2	6
129	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	2.5	6
128	An appraisal of respiratory system compliance in mechanically ventilated covid-19 patients. <i>Critical Care</i> , 2021 , 25, 199	10.8	6
127	The potential prognostic utility of salivary galectin-3 concentrations in heart failure. <i>Clinical Research in Cardiology</i> , 2020 , 109, 685-692	6.1	6
126	Earlier tracheostomy is associated with an earlier return to walking, talking, and eating. <i>Australian Critical Care</i> , 2020 , 33, 213-218	2.9	6
125	An improved liquid chromatography tandem mass spectrometry (LC-MS/MS) method for quantification of dexmedetomidine concentrations in samples of human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1073, 118-122	3.2	6
124	Anti-thrombogenic Surface Coatings for Extracorporeal Membrane Oxygenation: A Narrative Review. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 4402-4419	5.5	6
123	A pilot trial of bordered polyurethane dressings, tissue adhesive and sutureless devices compared with standard polyurethane dressings for securing short-term arterial catheters. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2014 , 16, 175-83	2.8	6

122	Nutrition therapy in adult patients receiving extracorporeal membrane oxygenation: a prospective, multicentre, observational study. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2015 , 17, 183-9	2.8	6
121	Venovenous extracorporeal membrane oxygenation in patients with acute covid-19 associated respiratory failure: comparative effectiveness study.. <i>BMJ, The</i> , 2022 , 377, e068723	5.9	6
120	In vitro evaluation of an ultrasonic cardiac output monitoring (USCOM) device. <i>Journal of Clinical Monitoring and Computing</i> , 2016 , 30, 69-75	2	5
119	Differential immunological profiles herald magnetic resonance imaging-defined perioperative cerebral infarction. <i>Therapeutic Advances in Neurological Disorders</i> , 2018 , 11, 1756286418759493	6.6	5
118	An Overview of Indigenous Australian Disadvantage in Terms of Ischaemic Heart Disease. <i>Heart Lung and Circulation</i> , 2018 , 27, 1274-1284	1.8	5
117	Can timely ECMO initiation mitigate pre-ECMO risk factors for acute kidney injury?. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 1523	2.7	5
116	Shear-dependent platelet aggregation size. <i>Artificial Organs</i> , 2020 , 44, 1286-1295	2.6	5
115	Studying the Endothelial Glycocalyx : What Is Missing?. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 647034	3.6	5
114	Fluid resuscitation with 0.9% saline alters haemostasis in an ovine model of endotoxemic shock. <i>Thrombosis Research</i> , 2019 , 176, 39-45	8.2	5
113	Improving skin integration around long-term percutaneous devices using fibrous scaffolds in a reconstructed human skin equivalent model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 738-749	3.5	5
112	Beneficial Effect of Prone Positioning During Venovenous Extracorporeal Membrane Oxygenation for Coronavirus Disease 2019. <i>Critical Care Medicine</i> , 2021 ,	1.4	5
111	The Effect of Compliant Inflow Cannulae on the Hemocompatibility of Rotary Blood Pump Circuits in an In Vitro Model. <i>Artificial Organs</i> , 2017 , 41, E118-E128	2.6	4
110	Hurdles to Cardioprotection in the Critically Ill. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	4
109	Ex vivo models for research in extracorporeal membrane oxygenation: a systematic review of the literature. <i>Perfusion (United Kingdom)</i> , 2020 , 35, 38-49	1.9	4
108	Viability of Mesenchymal Stem Cells in an Ex Vivo Circulation System. <i>ASAIO Journal</i> , 2020 , 66, 433-440	3.6	4
107	High flow nasal oxygen after bariatric surgery (OXYBAR), prophylactic post-operative high flow nasal oxygen versus conventional oxygen therapy in obese patients undergoing bariatric surgery: study protocol for a randomised controlled pilot trial. <i>Trials</i> , 2018 , 19, 402	2.8	4
106	Comorbidities and Ventricular Dysfunction Drive Excess Mid-Term Morbidity in an Indigenous Australian Coronary Revascularisation Cohort. <i>Heart Lung and Circulation</i> , 2019 , 28, 874-883	1.8	4
105	Hyperoxic damage and the need for optimised oxygenation practices. <i>Critical Care</i> , 2013 , 17, 441	10.8	4

104	Electrical impedance tomography in the clinical assessment of lung volumes following recruitment manoeuvres. <i>Physical Therapy Reviews</i> , 2011 , 16, 66-74	0.7	4
103	Echocardiographic assessment of myocardial function and mechanics during veno-venous extracorporeal membrane oxygenation. <i>Echo Research and Practice</i> , 2019 , 6, 25-35	2	4
102	Acute Immune Response in Venoarterial and Venovenous Extracorporeal Membrane Oxygenation Models of Rats. <i>ASAIO Journal</i> , 2021 , 67, 546-553	3.6	4
101	Heart Transplantation From Brain Dead Donors: A Systematic Review of Animal Models. <i>Transplantation</i> , 2020 , 104, 2272-2289	1.8	4
100	Ethical factors determining ECMO allocation during the COVID-19 pandemic. <i>BMC Medical Ethics</i> , 2021 , 22, 70	2.9	4
99	Pulmonary Valve Opening With Two Rotary Left Ventricular Assist Devices for Biventricular Support. <i>Artificial Organs</i> , 2018 , 42, 31-40	2.6	4
98	Early experience of a new extracorporeal carbon dioxide removal device for acute hypercapnic respiratory failure. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2016 , 18, 261-269	2.8	4
97	Rise of the machines - the growing influence of the Asia-Pacific in the world of mechanical support. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2017 , 19, 3-4	2.8	4
96	Permissive Hypercapnia, Alveolar Recruitment and Low Airway Pressure (PHARLAP): a protocol for a phase 2 trial in patients with acute respiratory distress syndrome. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2018 , 20, 139-149	2.8	4
95	Effects of adjacent transmitter current for multi-transmitter wireless power transfer 2017 ,		3
94	e-Screening revolution: A novel approach to developing a delirium screening tool in the intensive care unit. <i>Australasian Journal on Ageing</i> , 2018 , 37, 147-150	1.5	3
93	Characterisation of 40 mg/ml and 100 mg/ml tobramycin formulations for aerosol therapy with adult mechanical ventilation. <i>Pulmonary Pharmacology and Therapeutics</i> , 2018 , 50, 93-99	3.5	3
92	High-throughput assay for quantification of the plasma concentrations of thiopental using automated solid phase extraction (SPE) directly coupled to LC-MS/MS instrumentation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1038, 80-87	3.2	3
91	The rapidly evolving use of extracorporeal life support (ECLS) in adults. <i>Heart Lung and Circulation</i> , 2014 , 23, 1091-2	1.8	3
90	Ovine platelet function is unaffected by extracorporeal membrane oxygenation within the first 24 h. <i>Blood Coagulation and Fibrinolysis</i> , 2015 , 26, 816-22	1	3
89	Thermal clothing to reduce heart failure morbidity during winter: a randomised controlled trial. <i>BMJ Open</i> , 2017 , 7, e017592	3	3
88	Mobile Extracorporeal Membrane Oxygenation for Covid-19 Does Not Pose Extra Risk to Transport Team. <i>ASAIO Journal</i> , 2021 , 68,	3.6	3
87	Heart failure supported by veno-arterial extracorporeal membrane oxygenation (ECMO): a systematic review of pre-clinical models. <i>Intensive Care Medicine Experimental</i> , 2020 , 8, 16	3.7	3

86	In vitro Hemocompatibility Evaluation of the HeartWare Ventricular Assist Device Under Systemic, Pediatric and Pulmonary Support Conditions. <i>ASAIO Journal</i> , 2021 , 67, 270-275	3.6	3
85	The effect of hyperoxia on inflammation and platelet responses in an ex vivo extracorporeal membrane oxygenation circuit. <i>Artificial Organs</i> , 2020 , 44, 1276-1285	2.6	3
84	Extracorporeal Membrane Oxygenation-Induced Hemolysis: An In Vitro Study to Appraise Causative Factors. <i>Membranes</i> , 2021 , 11,	3.8	3
83	Single-Lung Transplant Results in Position Dependent Changes in Regional Ventilation: An Observational Case Series Using Electrical Impedance Tomography. <i>Canadian Respiratory Journal</i> , 2016 , 2016, 2471207	2.1	3
82	Neuron-Specific Enolase and Matrix Metalloproteinase 9 Signal Perioperative Silent Brain Infarction During or After Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2019 , 123, 434-439	3.3	3
81	Time Course Response of the Heart and Circulatory System to Active Postural Changes. <i>Journal of Biomechanical Engineering</i> , 2018 , 140,	2.1	3
80	An improved LC-MS/MS method for simultaneous evaluation of CYP2C9, CYP2C19, CYP2D6 and CYP3A4 activity. <i>Bioanalysis</i> , 2018 , 10, 1577-1590	2.1	3
79	Prophylactic Postoperative High Flow Nasal Oxygen Versus Conventional Oxygen Therapy in Obese Patients Undergoing Bariatric Surgery (OXYBAR Study): a Pilot Randomised Controlled Trial. <i>Obesity Surgery</i> , 2021 , 31, 4799-4807	3.7	3
78	Current Understanding of Leukocyte Phenotypic and Functional Modulation During Extracorporeal Membrane Oxygenation: A Narrative Review. <i>Frontiers in Immunology</i> , 2020 , 11, 600684	8.4	3
77	Contrast Microsphere Destruction by a Continuous Flow Ventricular Assist Device: An In Vitro Evaluation Using a Mock Circulation Loop. <i>BioMed Research International</i> , 2017 , 2017, 4907898	3	2
76	Nosocomial infection prevalence in patients undergoing extracorporeal membrane oxygenation (ECMO): protocol for a point prevalence study across Australia and New Zealand. <i>BMJ Open</i> , 2019 , 9, e029293	3	2
75	Nasal High Flow in Room Air for Hypoxemic Bronchiolitis Infants. <i>Frontiers in Pediatrics</i> , 2019 , 7, 426	3.4	2
74	Wrist acupressure for post-operative nausea and vomiting (WrAP): A pilot study. <i>Complementary Therapies in Medicine</i> , 2015 , 23, 372-80	3.5	2
73	An innovative ovine model of severe cardiopulmonary failure supported by veno-arterial extracorporeal membrane oxygenation. <i>Scientific Reports</i> , 2021 , 11, 20458	4.9	2
72	Characterizing preclinical sub-phenotypic models of acute respiratory distress syndrome: An experimental ovine study. <i>Physiological Reports</i> , 2021 , 9, e15048	2.6	2
71	Population pharmacokinetics of cefepime in critically ill patients receiving extracorporeal membrane oxygenation (an ASAP ECMO study). <i>International Journal of Antimicrobial Agents</i> , 2021 , 58, 106466	14.3	2
70	IFI27 transcription is an early predictor for COVID-19 outcomes; a multi-cohort observational study		2
69	The COVID-19 Critical Care Consortium observational study: Design and rationale of a prospective, international, multicenter, observational study		2

68	In Vitro Hemocompatibility Evaluation of Modified Rotary Left to Right Ventricular Assist Devices in Pulmonary Flow Conditions. <i>ASAIO Journal</i> , 2020 , 66, 637-644	3.6	2
67	Endothelin receptor antagonist improves donor lung function in an ex vivo perfusion system. <i>Journal of Biomedical Science</i> , 2020 , 27, 96	13.3	2
66	The use of extracorporeal membrane oxygenation in children with acute fulminant myocarditis. <i>Clinical and Experimental Pediatrics</i> , 2021 , 64, 188-195	4.7	2
65	An Ovine Model of Hemorrhagic Shock and Resuscitation, to Assess Recovery of Tissue Oxygen Delivery and Oxygen Debt, and Inform Patient Blood Management. <i>Shock</i> , 2021 , 56, 1080-1091	3.4	2
64	Cerebral Microcirculation during Experimental Normovolaemic Anemia. <i>Frontiers in Neurology</i> , 2016 , 7, 6	4.1	2
63	Multicentre, randomised trial to investigate early nasal high-flow therapy in paediatric acute hypoxaemic respiratory failure: a protocol for a randomised controlled trial-a Paediatric Acute respiratory Intervention Study (PARIS 2). <i>BMJ Open</i> , 2019 , 9, e030516	3	2
62	Individualizing Sedation in Acute Respiratory Distress Syndrome Patients on Extracorporeal Membrane Oxygenation. <i>ASAIO Journal</i> , 2019 , 65, e44-e45	3.6	2
61	Doing time in an Australian ICU; the experience and environment from the perspective of patients and family members. <i>Australian Critical Care</i> , 2021 , 34, 254-262	2.9	2
60	The intensive care unit environment from the perspective of medical, allied health and nursing clinicians: A qualitative study to inform design of the IdealPbedspace. <i>Australian Critical Care</i> , 2021 , 34, 15-22	2.9	2
59	Reconceptualizing post-intensive care syndrome: Do we need to unpick our PICS?. <i>Nursing in Critical Care</i> , 2021 , 26, 67-69	2.7	2
58	In vitro testing of cyanoacrylate tissue adhesives and sutures for extracorporeal membrane oxygenation cannula securement. <i>Intensive Care Medicine Experimental</i> , 2021 , 9, 5	3.7	2
57	Coagulation Dysfunction in Acute Respiratory Distress Syndrome and Its Potential Impact in Inflammatory Subphenotypes. <i>Frontiers in Medicine</i> , 2021 , 8, 723217	4.9	2
56	To be or not to be on ECMO: can survival prediction models solve the question?. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2017 , 19, 21-28	2.8	2
55	Pre-clinical study protocol: Blood transfusion in endotoxaemic shock. <i>MethodsX</i> , 2019 , 6, 1124-1132	1.9	1
54	Endothelialized flow models for blood transfusion research. <i>Haematologica</i> , 2019 , 104, 428-434	6.6	1
53	An Reconstructed Human Skin Equivalent Model to Study the Role of Skin Integration Around Percutaneous Devices Against Bacterial Infection. <i>Frontiers in Microbiology</i> , 2020 , 11, 670	5.7	1
52	Untapped potential in Australian Hospitals for organ donation after circulatory death. <i>Medical Journal of Australia</i> , 2018 , 208, 276-276	4	1
51	Clinical Implications of Monitoring Tissue Perfusion in Cardiogenic Shock 2018 , 193-206		1

50	How to use humidified high-flow nasal cannula in breathless adults in the emergency department. <i>EMA - Emergency Medicine Australasia</i> , 2019 , 31, 863-868	1.5	1
49	A mock circulation loop to evaluate differential hypoxemia during peripheral venoarterial extracorporeal membrane oxygenation.. <i>Perfusion (United Kingdom)</i> , 2022 , 2676591211056567	1.9	1
48	Pediatric intensive care preparedness and ECMO availability in children with COVID-19: An international survey. <i>Perfusion (United Kingdom)</i> , 2021 , 36, 637-639	1.9	1
47	Assessment of 28-Day In-Hospital Mortality in Mechanically Ventilated Patients With Coronavirus Disease 2019: An International Cohort Study 2021 , 3, e0567		1
46	Discrete responses of erythrocytes, platelets, and von Willebrand factor to shear.. <i>Journal of Biomechanics</i> , 2021 , 130, 110898	2.9	1
45	A Starling-like total work controller for rotary blood pumps: An in vitro evaluation. <i>Artificial Organs</i> , 2020 , 44, E40-E53	2.6	1
44	Tissue adhesives for bacterial inhibition in extracorporeal membrane oxygenation cannulae. <i>Intensive Care Medicine Experimental</i> , 2021 , 9, 25	3.7	1
43	Global infectious disease research collaborations in crises: building capacity and inclusivity through cooperation. <i>Globalization and Health</i> , 2021 , 17, 84	10	1
42	A Review of Coronary Artery Bypass Grafting in the Indigenous Australian Population. <i>Heart Lung and Circulation</i> , 2019 , 28, 530-538	1.8	1
41	Sedatives, analgesics and antipsychotics in tracheostomised ICU patients - Is less more?. <i>Australian Critical Care</i> , 2020 , 33, 407-411	2.9	1
40	Assessing potential for aortoiliac vascular injury from venoarterial extracorporeal membrane oxygenation cannulae: An in vitro particle image velocimetry study. <i>Artificial Organs</i> , 2021 , 45, E14-E25	2.6	1
39	The discovery of biological subphenotypes in ARDS: a novel approach to targeted medicine?. <i>Journal of Intensive Care</i> , 2021 , 9, 14	7	1
38	Peritransplant Cardiometabolic and Mitochondrial Function: The Missing Piece in Donor Heart Dysfunction and Graft Failure. <i>Transplantation</i> , 2021 , 105, 496-508	1.8	1
37	A protocol for tracking outcomes post intensive care. <i>Nursing in Critical Care</i> , 2021 ,	2.7	1
36	Population Pharmacokinetics of Piperacillin and Tazobactam in Critically Ill Patients Receiving Extracorporeal Membrane Oxygenation: an ASAP ECMO Study. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65, e0143821	5.9	1
35	Design and Rationale of a Prospective International Follow-Up Study on Intensive Care Survivors of COVID-19: The Long-Term Impact in Intensive Care Survivors of Coronavirus Disease-19-AFTERCOR. <i>Frontiers in Medicine</i> , 2021 , 8, 738086	4.9	1
34	Recovery of organ-specific tissue oxygen delivery at restrictive transfusion thresholds after fluid treatment in ovine haemorrhagic shock.. <i>Intensive Care Medicine Experimental</i> , 2022 , 10, 12	3.7	1
33	Early short course of neuromuscular blocking agents in patients with COVID-19 ARDS: a propensity score analysis.. <i>Critical Care</i> , 2022 , 26, 141	10.8	1

32	Steps to Enhance Safety of Tracheostomy on ECMO. <i>Journal of Intensive Care Medicine</i> , 2019 , 885066619851074		
31	Effect of cardiopulmonary bypass on cytochrome P450 enzyme activity: implications for pharmacotherapy. <i>Drug Metabolism Reviews</i> , 2018 , 50, 109-124	7	○
30	Prone position during venovenous extracorporeal membrane oxygenation: survival analysis needed for a time-dependent intervention.. <i>Critical Care</i> , 2022 , 26, 39	10.8	○
29	Population pharmacokinetics of vancomycin in critically ill adult patients receiving extracorporeal membrane oxygenation (an ASAP ECMO study). <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , AAC0137721	5.21	○
28	Microvascular dysfunction in septic and dengue shock: Pathophysiology and implications for clinical management. <i>Global Cardiology Science & Practice</i> , 2020 , 2020, e202029	0.7	○
27	Screening for delirium in the intensive care unit using eDIS-ICU - A purpose-designed app: A pilot study. <i>Australian Critical Care</i> , 2021 , 34, 547-551	2.9	○
26	Ovine red cell concentrates for transfusion research - is the storage lesion comparable to human red cell concentrates?. <i>Vox Sanguinis</i> , 2021 , 116, 524-532	3.1	○
25	Allotaxis and sedation practices in intensive care evaluation: an observational pilot study. <i>Intensive Care Medicine Experimental</i> , 2018 , 6, 13	3.7	○
24	Compromised right ventricular contractility in an ovine model of heart transplantation following 24h donor brain stem death. <i>Pharmacological Research</i> , 2021 , 169, 105631	10.2	○
23	Appraising extracorporeal life support - current and future roles in adult intensive care. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2017 , 19, 5-7	2.8	○
22	Exploration of the Utility of Speckle-Tracking Echocardiography During Mechanical Ventilation and Mechanical Circulatory Support. 2022 , 4, e0666		○
21	Population Pharmacokinetics and Dosing Simulations of Ceftriaxone in Critically Ill Patients Receiving Extracorporeal Membrane Oxygenation (An ASAP ECMO Study).. <i>Clinical Pharmacokinetics</i> , 2022 , 1	6.2	○
20	Impact of renin-angiotensin-aldosterone system inhibition on mortality in critically ill COVID-19 patients with pre-existing hypertension: a prospective cohort study.. <i>BMC Cardiovascular Disorders</i> , 2022 , 22, 123	2.3	○
19	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	4.9	○
18	Erythrocyte morphological symmetry analysis to detect sublethal trauma in shear flow. <i>Scientific Reports</i> , 2021 , 11, 23566	4.9	○
17	A clinically relevant sheep model of orthotopic heart transplantation 24h after donor brainstem death.. <i>Intensive Care Medicine Experimental</i> , 2021 , 9, 60	3.7	○
16	Non-Invasive Multimodal Neuromonitoring in Non-Critically Ill Hospitalized Adult Patients With COVID-19: A Systematic Review and Meta-Analysis.. <i>Frontiers in Neurology</i> , 2022 , 13, 814405	4.1	○
15	Population pharmacokinetics of ciprofloxacin in critically ill patients receiving extracorporeal membrane oxygenation (an ASAP ECMO study).. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2022 , 101080	3	○

14	Haemodynamic Effect of Left Atrial and Left Ventricular Cannulation with a Rapid Speed Modulated Rotary Blood Pump During Rest and Exercise: Investigation in a Numerical Cardiorespiratory Model. <i>Cardiovascular Engineering and Technology</i> , 2020 , 11, 350-361	2.2
13	The past, present, and future 2018 , 775-798	
12	Meeting the challenges of advanced drug delivery in critical illness. <i>Advanced Drug Delivery Reviews</i> , 2014 , 77, 1-2	18.5
11	Use of acid suppression medications in postoperative cardiac surgical intensive care unit patients. <i>Journal of Pharmacy Practice and Research</i> , 2014 , 44, 108-112	0.7
10	HeartWare HVAD Flow Estimator Accuracy for Left and Right Ventricular Support. <i>ASAIO Journal</i> , 2021 , 67, 416-422	3.6
9	Hypothermic Ex Vivo Perfusion: Protecting the Donor Heart and the Recipient. <i>ASAIO Journal</i> , 2020 , 66, e99	3.6
8	Reply to Zhang and Hei: Mesenchymal Stem Cell-derived Exosomes: Are They Another Therapeutic Method for Extracorporeal Membrane Oxygenation-supported Acute Respiratory Distress Syndrome?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 1603-1604	10.2
7	Comparative lung distribution of radiolabeled tobramycin between nebulized and intravenous administration in a mechanically-ventilated ovine model, an observational study. <i>International Journal of Antimicrobial Agents</i> , 2021 , 57, 106232	14.3
6	Intensive care digital health response to emerging infectious disease outbreaks such as COVID-19. <i>Anaesthesia and Intensive Care</i> , 2021 , 49, 105-111	1.1
5	High-Flow Nasal Cannula: Technical Aspects in Adults and Children 2021 , 37-53	
4	An age-of-blood transfusion trial in the trauma setting is crucial and animal models may help inform trial design. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2014 , 16, 149-50	2.8
3	Add-on Therapies in VA-ECMO for Cardiogenic Shock: The Heart Recovers, Yet Other Organs Suffer.. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2022 ,	2.1
2	141: NEUROLOGIC AND NEUROPSYCHIATRIC MANIFESTATIONS OF POST-COVID-19 SYNDROME: A META-ANALYSIS. <i>Critical Care Medicine</i> , 2022 , 50, 54-54	1.4
1	ECMO simulation training during a worldwide pandemic: The role of ECMO telesimulation.. <i>Perfusion (United Kingdom)</i> , 2022 , 2676591221093868	1.9