Donald E G Griesdale

List of Publications by Year in descending order

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128 papers 7,990 citations

94433 37 h-index 49909 87 g-index

132 all docs

132 docs citations

times ranked

132

8377 citing authors

#	Article	IF	CITATIONS
1	Critically III Patients With 2009 Influenza A(H1N1) Infection in Canada. JAMA - Journal of the American Medical Association, 2009, 302, 1872.	7.4	1,197
2	Intensive insulin therapy and mortality among critically ill patients: a meta-analysis including NICE-SUGAR study data. Cmaj, 2009, 180, 821-827.	2.0	927
3	Complications of endotracheal intubation in the critically ill. Intensive Care Medicine, 2008, 34, 1835-1842.	8.2	877
4	Clinical pathophysiology of hypoxic ischemic brain injury after cardiac arrest: a "two-hit―model. Critical Care, 2017, 21, 90.	5.8	351
5	Glidescope® video-laryngoscopy versus direct laryngoscopy for endotracheal intubation: a systematic review and meta-analysis. Canadian Journal of Anaesthesia, 2012, 59, 41-52.	1.6	305
6	The difficult airway with recommendations for management $\hat{a} \in \text{``Part 1 â} \in \text{``Difficult tracheal intubation}$ encountered in an unconscious/induced patient. Canadian Journal of Anaesthesia, 2013, 60, 1089-1118.	1.6	285
7	The difficult airway with recommendations for management $\hat{a} \in \text{``Part 2 } \hat{a} \in \text{``The anticipated difficult airway. Canadian Journal of Anaesthesia, 2013, 60, 1119-1138.}$	1.6	237
8	Will This Hemodynamically Unstable Patient Respond to a Bolus of Intravenous Fluids?. JAMA - Journal of the American Medical Association, 2016, 316, 1298.	7.4	227
9	Optic nerve sheath diameter on computed tomography is correlated with simultaneously measured intracranial pressure in patients with severe traumatic brain injury. Intensive Care Medicine, 2014, 40, 1267-1274.	8.2	141
10	The association of ABO blood group with indices of disease severity and multiorgan dysfunction in COVID-19. Blood Advances, 2020, 4, 4981-4989.	5.2	128
11	Acute Kidney Injury After Lung Resection Surgery. Anesthesia and Analgesia, 2012, 114, 1256-1262.	2.2	126
12	Extracorporeal lung support for patients who had severe respiratory failure secondary to influenza A (H1N1) 2009 infection in Canada. Canadian Journal of Anaesthesia, 2010, 57, 240-247.	1.6	112
13	Baseline characteristics and outcomes of patients with COVID-19 admitted to intensive care units in Vancouver, Canada: a case series. Cmaj, 2020, 192, E694-E701.	2.0	105
14	Diagnosis of elevated intracranial pressure in critically ill adults: systematic review and meta-analysis. BMJ: British Medical Journal, 2019, 366, l4225.	2.3	100
15	Comparative outcomes in cardiogenic shock patients managed with Impella microaxial pump or extracorporeal life support. Journal of Thoracic and Cardiovascular Surgery, 2011, 142, 60-65.	0.8	99
16	The Burden of Brain Hypoxia and Optimal Mean Arterial Pressure in Patients With Hypoxic Ischemic Brain Injury After Cardiac Arrest*. Critical Care Medicine, 2019, 47, 960-969.	0.9	97
17	Association between blood pressure and outcomes in patients after cardiac arrest: A systematic review. Resuscitation, 2015, 97, 1-6.	3.0	91
18	Video-laryngoscopy versus direct laryngoscopy in critically ill patients: a pilot randomized trial. Canadian Journal of Anaesthesia, 2012, 59, 1032-1039.	1.6	88

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19	Association of hemoglobin concentration and mortality in critically ill patients with severe traumatic brain injury. Critical Care, 2012, 16, R128.	5.8	87
20	Critical illness in children with influenza A/pH1N1 2009 infection in Canada*. Pediatric Critical Care Medicine, 2010, 11 , $603-609$.	0.5	82
21	Transtracheal jet ventilation in the  can't intubate can't oxygenate' emergency: a systematic review British Journal of Anaesthesia, 2016, 117, i28-i38.	·3.4	81
22	The influence of corticosteroid treatment on the outcome of influenza A(H1N1pdm09)-related critical illness. Critical Care, 2016, 20, 75.	5.8	80
23	The use of mechanical ventilation in patients with idiopathic pulmonary fibrosis in the United States: A nationwide retrospective cohort analysis. Respiratory Medicine, 2016, 111, 72-76.	2.9	76
24	Medications to reduce emergence coughing after general anaesthesia with tracheal intubation: a systematic review and network meta-analysis. British Journal of Anaesthesia, 2020, 124, 480-495.	3.4	76
25	Glucose Control and Mortality in Patients with Severe Traumatic Brain Injury. Neurocritical Care, 2009, 11, 311-316.	2.4	72
26	Clinical review: Guyton - the role of mean circulatory filling pressure and right atrial pressure in controlling cardiac output. Critical Care, 2010, 14, 243.	5.8	71
27	Association Between Optic Nerve Sheath Diameter and Mortality in Patients with Severe Traumatic Brain Injury. Neurocritical Care, 2014, 21, 245-252.	2.4	64
28	Using the relationship between brain tissue regional saturation of oxygen and mean arterial pressure to determine the optimal mean arterial pressure in patients following cardiac arrest: A pilot proof-of-concept study. Resuscitation, 2016, 106, 120-125.	3.0	63
29	Critical care capacity in Canada: results of a national cross-sectional study. Critical Care, 2015, 19, 133.	5.8	55
30	Risk factors for urinary retention after hip or knee replacement: a cohort study. Canadian Journal of Anaesthesia, 2011, 58, 1097-1104.	1.6	52
31	Craniotomy Versus Craniectomy for Acute Traumatic Subdural Hematoma in the United States: A National Retrospective Cohort Analysis. World Neurosurgery, 2016, 88, 25-31.	1.3	48
32	Aquaporins and brain edema. World Neurosurgery, 2004, 61, 418-421.	1.3	46
33	External Ventricular Drains and Mortality in Patients with Severe Traumatic Brain Injury. Canadian Journal of Neurological Sciences, 2010, 37, 43-48.	0.5	44
34	Hypernatremia in patients with severe traumatic brain injury: a systematic review. Annals of Intensive Care, 2013, 3, 35.	4.6	44
35	Does Prone Positioning Improve Oxygenation and Reduce Mortality in Patients with Acute Respiratory Distress Syndrome?. Canadian Respiratory Journal, 2014, 21, 213-215.	1.6	44
36	Exerciseâ€induced quadriceps muscle fatigue in men and women: effects of arterial oxygen content and respiratory muscle work. Journal of Physiology, 2017, 595, 5227-5244.	2.9	44

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37	Red Blood Cell Transfusion in Patients With Traumatic Brain Injury: A Systematic Review and Meta-Analysis. Transfusion Medicine Reviews, 2016, 30, 15-24.	2.0	43
38	Multimodal neuromonitoring for traumatic brain injury: A shift towards individualized therapy. Journal of Clinical Neuroscience, 2016, 26, 8-13.	1.5	40
39	Intracranial Pressure Monitors in Traumatic Brain Injury: A Systematic Review. Canadian Journal of Neurological Sciences, 2012, 39, 571-576.	0.5	37
40	The Effect of Red Blood Cell Transfusion on Cerebral Autoregulation in Patients with Severe Traumatic Brain Injury. Neurocritical Care, 2015, 23, 210-216.	2.4	37
41	Influence of residency training on multiple attempts at endotracheal intubation. Canadian Journal of Anaesthesia, 2010, 57, 823-829.	1.6	35
42	Aneurysmal SubArachnoid Hemorrhageâ€"Red Blood Cell Transfusion And Outcome (SAHaRA): a pilot randomised controlled trial protocol. BMJ Open, 2016, 6, e012623.	1.9	35
43	The Occurrence and Impact of Bacterial Organisms Complicating Critical Care Illness Associated With 2009 Influenza A(H1N1) Infection. Chest, 2013, 144, 39-47.	0.8	34
44	Hemoglobin Area and Time Index Above 90Âg/L are Associated with Improved 6-Month Functional Outcomes in Patients with Severe Traumatic Brain Injury. Neurocritical Care, 2015, 23, 78-84.	2.4	34
45	Infratentorial Neurosurgery Is an Independent Risk Factor for Respiratory Failure and Death in Patients Undergoing Intracranial Tumor Resection. Journal of Neurosurgical Anesthesiology, 2014, 26, 198-204.	1.2	33
46	Acute kidney injury among critically ill patients with pandemic H1N1 influenza A in Canada: cohort study. BMC Nephrology, 2013, 14, 123.	1.8	32
47	The differential effects of norepinephrine and dopamine on cerebrospinal fluid pressure and spinal cord perfusion pressure after acute human spinal cord injury. Spinal Cord, 2017, 55, 33-38.	1.9	32
48	Adherence to guidelines for management of cerebral perfusion pressure and outcome in patients who have severe traumatic brain injury. Journal of Critical Care, 2015, 30, 111-115.	2.2	30
49	Transfusion of red blood cells in patients with traumatic brain injuries admitted to Canadian trauma health centres: a multicentre cohort study. BMJ Open, 2017, 7, e014472.	1.9	30
50	The effect of continuous hypertonic saline infusion and hypernatremia on mortality in patients with severe traumatic brain injury: a retrospective cohort study. Canadian Journal of Anaesthesia, 2016, 63, 664-673.	1.6	29
51	In-hospital mortality after hip fracture by treatment setting. Cmaj, 2016, 188, 1219-1225.	2.0	29
52	A Systematic Review of the Risks and Benefits of Venous Thromboembolism Prophylaxis in Traumatic Brain Injury. Canadian Journal of Neurological Sciences, 2018, 45, 432-444.	0.5	29
53	The CAnadian High-Resolution Traumatic Brain Injury (CAHR-TBI) Research Collaborative. Canadian Journal of Neurological Sciences, 2020, 47, 551-556.	0.5	29
54	Time trends in hospital stay after hip fracture in Canada, 2004–2012: database study. Archives of Osteoporosis, 2016, 11, 13.	2.4	28

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55	Aprotinin and the risk of death and renal dysfunction in patients undergoing cardiac surgery: a metaâ€analysis of epidemiologic studies. Pharmacoepidemiology and Drug Safety, 2009, 18, 259-268.	1.9	27
56	Determining Optimal Mean Arterial Pressure After Cardiac Arrest: A Systematic Review. Neurocritical Care, 2021, 34, 621-634.	2.4	26
57	Comparing rapid micro-induction and standard induction of buprenorphine/naloxone for treatment of opioid use disorder: protocol for an open-label, parallel-group, superiority, randomized controlled trial. Addiction Science & (2021, 16, 11).	2.6	26
58	Blood flow index using near-infrared spectroscopy and indocyanine green as a minimally invasive tool to assess respiratory muscle blood flow in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R984-R992.	1.8	25
59	The association between anemia and neurological outcome in hypoxic ischemic brain injury after cardiac arrest. Resuscitation, 2017, 112, 11-16.	3.0	24
60	Sixty-four–slice computed tomographic scanner to clear traumatic cervical spine injury: Systematic review of the literature. Journal of Critical Care, 2014, 29, 314.e9-314.e13.	2.2	23
61	Thromboprophylaxis patterns and determinants in critically ill patients: a multicenter audit. Critical Care, 2014, 18, R82.	5.8	23
62	Socio Economic Status and Traumatic Brain Injury amongst Pediatric Populations: A Spatial Analysis in Greater Vancouver. International Journal of Environmental Research and Public Health, 2015, 12, 15594-15604.	2.6	23
63	Airway Management in Critically III Patients. Lung, 2011, 189, 181-192.	3.3	22
64	Acute Kidney Injury Within 72 Hours After Lung Transplantation: Incidence and Perioperative Risk Factors. Journal of Cardiothoracic and Vascular Anesthesia, 2014, 28, 931-935.	1.3	22
65	Constructing an episode of care from acute hospitalization records for studying effects of timing of hip fracture surgery. Journal of Orthopaedic Research, 2016, 34, 197-204.	2.3	22
66	Trends in Extracorporeal Membrane Oxygenation for the Treatment of Acute Respiratory Distress Syndrome in the United States. Journal of Intensive Care Medicine, 2017, 32, 535-539.	2.8	22
67	Goal-Directed Care Using Invasive Neuromonitoring Versus Standard of Care After Cardiac Arrest: A Matched Cohort Study*. Critical Care Medicine, 2021, 49, 1333-1346.	0.9	22
68	Medical Simulation in Respiratory and Critical Care Medicine. Lung, 2010, 188, 445-457.	3.3	21
69	Implementation of Neurocritical Care Is Associated With Improved Outcomes in Traumatic Brain Injury. Canadian Journal of Neurological Sciences, 2017, 44, 350-357.	0.5	21
70	Lack of agreement between optimal mean arterial pressure determination using pressure reactivity index versus cerebral oximetry index in hypoxic ischemic brain injury after cardiac arrest. Resuscitation, 2020, 152, 184-191.	3.0	21
71	Anemia prevalence and incidence and red blood cell transfusion practices in aneurysmal subarachnoid hemorrhage: results of a multicenter cohort study. Critical Care, 2018, 22, 169.	5.8	20
72	Effect of early achievement of physiologic resuscitation goals in septic patients admitted from the ward on the kidneys. Journal of Critical Care, 2010, 25, 563-569.	2.2	18

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73	Indication for Surgery and the Risk of Postoperative Nausea and Vomiting After Craniotomy. Journal of Neurosurgical Anesthesiology, 2012, 24, 325-330.	1.2	17
74	Prognostication in critically ill patients with severe traumatic brain injury: the TBI-Prognosis multicentre feasibility study. BMJ Open, 2017, 7, e013779.	1.9	17
75	Hemoglobin thresholds and red blood cell transfusion in adult patients with moderate or severe traumatic brain injuries: A retrospective cohort study. Journal of Critical Care, 2018, 45, 133-139.	2.2	17
76	Factors influencing decisions by critical care physicians to withdraw life-sustaining treatments in critically ill adult patients with severe traumatic brain injury. Cmaj, 2019, 191, E652-E663.	2.0	16
77	Pseudogout of the Transverse Atlantal Ligament: An Unusual Cause of Cervical Myelopathy. Canadian Journal of Neurological Sciences, 2004, 31, 273-275.	0.5	15
78	The safety of synthetic colloid in critically ill patients with severe traumatic brain injuries. Journal of Critical Care, 2011, 26, 357-362.	2.2	15
79	Hospital mortality after hip fracture surgery in relation to length of stay by care delivery factors. Medicine (United States), 2017, 96, e6683.	1.0	15
80	Survey of non-resuscitation fluids administered during septic shock: a multicenter prospective observational study. Annals of Intensive Care, 2019, 9, 132.	4.6	15
81	Optic nerve sheath diameter on computed tomography not predictive of neurological status post-cardiac arrest. Canadian Journal of Emergency Medicine, 2017, 19, 181-185.	1.1	13
82	Effects of an alveolar recruitment maneuver on subdural pressure, brain swelling, and mean arterial pressure in patients undergoing supratentorial tumour resection: a randomized crossover study. Canadian Journal of Anaesthesia, 2017, 64, 626-633.	1.6	12
83	Near-Infrared Spectroscopy to Assess Cerebral Autoregulation and Optimal Mean Arterial Pressure in Patients With Hypoxic-Ischemic Brain Injury: A Prospective Multicenter Feasibility Study., 2020, 2, e0217.		12
84	Early veno-venous extracorporeal membrane oxygenation is associated with lower mortality in patients who have severe hypoxemic respiratory failure: A retrospective multicenter cohort study. Journal of Critical Care, 2016, 33, 169-173.	2.2	11
85	Feasibility of administrative data for studying complications after hip fracture surgery. BMJ Open, 2017, 7, e015368.	1.9	11
86	Association of intensive care unit occupancy during admission and inpatient mortality: a retrospective cohort study. Canadian Journal of Anaesthesia, 2020, 67, 213-224.	1.6	11
87	Effect of tidal volume and positive end-expiratory pressure on expiratory time constants in experimental lung injury. Physiological Reports, 2016, 4, e12737.	1.7	10
88	Intensity of Continuous Renal Replacement Therapy in Acute Kidney Injury in the Intensive Care Unit: A Systematic Review and Meta-Analysis. Vascular and Endovascular Surgery, 2011, 45, 504-510.	0.7	9
89	Limitations of respiratory muscle and vastus lateralis blood flow during continuous exercise. Respiratory Physiology and Neurobiology, 2012, 181, 302-307.	1.6	9
90	Use of geographic information systems to assess the error associated with the use of place of residence in injury research. Injury Epidemiology, 2015, 2, 29.	1.8	9

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91	Feasibility of continuous sedation monitoring in critically ill intensive care unit patients using the NeuroSENSE WAVCNS index. Journal of Clinical Monitoring and Computing, 2018, 32, 1081-1091.	1.6	9
92	Etomidate for intubation of patients who have sepsis or septic shock - where do we go from here?. Critical Care, 2012, 16, 189.	5.8	8
93	Red blood cell transfusion in critically ill patients with traumatic brain injury: an international survey of physicians' attitudes. Canadian Journal of Anaesthesia, 2019, 66, 1038-1048.	1.6	8
94	Success and complications of endotracheal intubation in critical care settings under COVID-19 protocols. Canadian Journal of Emergency Medicine, 2021, 23, 512-517.	1.1	8
95	The efficacy and safety of glucose control algorithms in intensive care: a pilot study of the Survival Using Glucose Algorithm Regulation (SUGAR) trial. Polish Archives of Internal Medicine, 2009, 119, 439-446.	0.4	8
96	Resuscitation Prior to Emergency Endotracheal Intubation: Results of a National Survey. Western Journal of Emergency Medicine, 2016, 17, 542-548.	1.1	7
97	The Use of Thrombolysis for Acute Pulmonary Embolism in the United States: National Trends and Patient Characteristics from 2006 to 2011. Journal of Emergency Medicine, 2017, 52, 615-621.	0.7	7
98	The Use of Near-Infrared Spectroscopy and/or Transcranial Doppler as Non-Invasive Markers of Cerebral Perfusion in Adult Sepsis Patients With Delirium: A Systematic Review. Journal of Intensive Care Medicine, 2022, 37, 408-422.	2.8	7
99	Improved outcomes of renal injury following burn trauma. Burns, 2019, 45, 1024-1030.	1.9	6
100	Device and Medication Preferences of Canadian Physicians for Emergent Endotracheal Intubation in Critically III Patients. Canadian Journal of Emergency Medicine, 2017, 19, 186-197.	1.1	5
101	Effect of age of transfused red blood cells on neurologic outcome following traumatic brain injury (ABLE-tbi Study): a nested study of the Age of Blood Evaluation (ABLE) trial. Canadian Journal of Anaesthesia, 2019, 66, 696-705.	1.6	5
102	Assessing the relationship between near-infrared spectroscopy-derived regional cerebral oxygenation and neurological dysfunction in critically ill adults: a prospective observational multicentre protocol, on behalf of the Canadian Critical Care Trials Group. BMJ Open, 2019, 9, e029189.	1.9	5
103	Adding vitamin C to hydrocortisone lacks benefit in septic shock: a historical cohort study. Canadian Journal of Anaesthesia, 2020, 67, 1798-1805.	1.6	5
104	Gas density alters expiratory time constants before and after experimental lung injury. Experimental Physiology, 2015, 100, 1217-1228.	2.0	4
105	Therapeutic hypothermia attenuates physiologic, histologic, and metabolomic markers of injury in a porcine model of acute respiratory distress syndrome. Physiological Reports, 2022, 10, e15286.	1.7	4
106	Airway Pressure and Transpulmonary Pressure During High-Frequency Oscillation for Acute Respiratory Distress Syndrome. Canadian Respiratory Journal, 2014, 21, 107-111.	1.6	3
107	Administration of intrapulmonary sodium polyacrylate to induce lung injury for the development of a porcine model of early acute respiratory distress syndrome. Intensive Care Medicine Experimental, 2014, 2, 5.	1.9	3
108	Functional respiratory imaging, regional strain, and expiratory time constants at three levels of positive end expiratory pressure in an exâvivo pig model. Physiological Reports, 2016, 4, e13059.	1.7	3

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109	In asking the right questions, be cautious of confounding by indication. Canadian Journal of Anaesthesia, 2018, 65, 979-984.	1.6	3
110	Association between intensive care unit occupancy at discharge, afterhours discharges, and clinical outcomes: a historical cohort study. Canadian Journal of Anaesthesia, 2020, 67, 1359-1370.	1.6	3
111	The pulmonary artery catheter: a solution still looking for a problem. Canadian Journal of Anaesthesia, 2021, 68, 1592-1596.	1.6	3
112	Hypernatremia and intracranial pressure: more questions than answers. Critical Care, 2012, 17, 401.	5.8	2
113	Comparing the novel GlideScope Groove videolaryngoscope with conventional videolaryngoscopy: a randomized mannequin study of novice providers. Journal of Clinical Anesthesia, 2013, 25, 644-650.	1.6	2
114	How the high acuity unit changes mortality in the intensive care unit: a retrospective before-and-after study. Canadian Journal of Anaesthesia, 2020, 67, 1507-1514.	1.6	2
115	Arterial and Venous Cerebral Blood Flow Velocities in Healthy Volunteers. Acta Neurochirurgica Supplementum, 2021, 131, 131-134.	1.0	2
116	Cerebrospinal Fluid Pleocytosis Not Attributable to Status Epilepticus in First 24 Hours. Canadian Journal of Neurological Sciences, 2021, , 1-8.	0.5	2
117	Does Red Blood Cell Transfusion Increase Local Cerebral Oxygenation?. Critical Care Medicine, 2005, 33, 2856.	0.9	1
118	In Response. Anesthesia and Analgesia, 2013, 116, 505-506.	2.2	1
119	Reply to letter to the editor – Mechanical ventilation in idiopathic pulmonary fibrosis: Unresolved dilemma. Respiratory Medicine, 2016, 117, 284.	2.9	1
120	Should we ever stop clinical trials for efficacy?. Canadian Journal of Anaesthesia, 2018, 65, 1265-1266.	1.6	1
121	Transport Time and Mortality in Critically Ill Patients with Severe Traumatic Brain Injury. Canadian Journal of Neurological Sciences, 2021, , 1-9.	0.5	1
122	The importance of the oxygen cascade after cardiac arrest. Resuscitation, 2021, 168, 231-233.	3.0	1
123	Complications of endotracheal intubation in the intensive care unit: A propensity score analysis. Canadian Journal of Anaesthesia, 2008, 55, 4757651-4757652.	1.6	0
124	ICU Resource Allocation in the New Millennium: Will We Say "No�. Canadian Journal of Anaesthesia, 2013, 60, 739-740.	1.6	0
125	RE: Intracranial Pressure Monitors in Traumatic Brain Injury: A Systematic Review. Can J Neurol Sci. 2013;40: 433-434. Canadian Journal of Neurological Sciences, 2013, 40, 435.	0.5	0
126	In Reply to "Erroneous Methodology in â€~Craniotomy Versus Craniectomy for Acute Traumatic Subdural Hematoma in the United States: A National Retrospective Cohort Analysis'― World Neurosurgery, 2016, 91, 652.	1,3	0

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127	External validation demonstrated the Ottawa SAH prediction models can identify pSAH using health administrative data. Journal of Clinical Epidemiology, 2020, 126, 122-130.	5. 0	0
128	Correspondence to: Elevated jugular venous oxygen saturation after cardiac arrest. Resuscitation, 2022, 170, 367-368.	3.0	0