

# Brian Grunau

## List of Publications by Year in descending order

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Version: 2024-02-01

107  
papers

2,751  
citations

185998

28  
h-index

205818

48  
g-index

110  
all docs

110  
docs citations

110  
times ranked

2749  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Survival With Extracorporeal Cardiopulmonary Resuscitation Despite Progressive Metabolic Derangement Associated With Prolonged Resuscitation. <i>Circulation</i> , 2020, 141, 877-886.	1.6	204
2	Extracorporeal Cardiopulmonary Resuscitation in Adults. Interim Guideline Consensus Statement From the Extracorporeal Life Support Organization. <i>ASAIO Journal</i> , 2021, 67, 221-228.	0.9	194
3	Association Between Duration of Resuscitation and Favorable Outcome After Out-of-Hospital Cardiac Arrest. <i>Circulation</i> , 2016, 134, 2084-2094.	1.6	173
4	Association of Intra-arrest Transport vs Continued On-Scene Resuscitation With Survival to Hospital Discharge Among Patients With Out-of-Hospital Cardiac Arrest. <i>JAMA - Journal of the American Medical Association</i> , 2020, 324, 1058.	3.8	127
5	Time to Epinephrine Administration and Survival From Nonshockable Out-of-Hospital Cardiac Arrest Among Children and Adults. <i>Circulation</i> , 2018, 137, 2032-2040.	1.6	122
6	Comparing the prognosis of those with initial shockable and non-shockable rhythms with increasing durations of CPR: Informing minimum durations of resuscitation. <i>Resuscitation</i> , 2016, 101, 50-56.	1.3	97
7	Dantrolene in the treatment of MDMA-related hyperpyrexia: a systematic review. <i>Canadian Journal of Emergency Medicine</i> , 2010, 12, 435-442.	0.5	91
8	Relationship between Time-to-ROSC and Survival in Out-of-hospital Cardiac Arrest ECPR Candidates: When is the Best Time to Consider Transport to Hospital?. <i>Prehospital Emergency Care</i> , 2016, 20, 615-622.	1.0	81
9	Post-resuscitation arterial oxygen and carbon dioxide and outcomes after out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2017, 120, 113-118.	1.3	74
10	Incidence of Clinically Important Biphasic Reactions in Emergency Department Patients With Allergic Reactions or Anaphylaxis. <i>Annals of Emergency Medicine</i> , 2014, 63, 736-744.e2.	0.3	72
11	Association between hospital post-resuscitative performance and clinical outcomes after out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2015, 92, 45-52.	1.3	70
12	Immunogenicity of Extended mRNA SARS-CoV-2 Vaccine Dosing Intervals. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 279.	3.8	68
13	Prevalence, natural history, and time-dependent outcomes of a multi-center North American cohort of out-of-hospital cardiac arrest extracorporeal CPR candidates. <i>Resuscitation</i> , 2017, 117, 24-31.	1.3	61
14	Variation in Survival After Out-of-Hospital Cardiac Arrest Between Emergency Medical Services Agencies. <i>JAMA Cardiology</i> , 2018, 3, 989.	3.0	60
15	Resuscitation Outcomes Consortium's Amiodarone, Lidocaine or Placebo Study (ROC-ALPS): Rationale and methodology behind an out-of-hospital cardiac arrest antiarrhythmic drug trial. <i>American Heart Journal</i> , 2014, 167, 653-659.e4.	1.2	53
16	Potential Candidates for a Structured Canadian ECPR Program for Out-of-Hospital Cardiac Arrest. <i>Canadian Journal of Emergency Medicine</i> , 2016, 18, 453-460.	0.5	50
17	Intraosseous Vascular Access Is Associated With Lower Survival and Neurologic Recovery Among Patients With Out-of-Hospital Cardiac Arrest. <i>Annals of Emergency Medicine</i> , 2018, 71, 588-596.	0.3	50
18	The association between AHA CPR quality guideline compliance and clinical outcomes from out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2017, 116, 39-45.	1.3	49

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19	Advanced vs. Basic Life Support in the Treatment of Out-of-Hospital Cardiopulmonary Arrest in the Resuscitation Outcomes Consortium. <i>Resuscitation</i> , 2018, 128, 132-137.	1.3	49
20	Trends in care processes and survival following prehospital resuscitation improvement initiatives for out-of-hospital cardiac arrest in British Columbia, 2006â€“2016. <i>Resuscitation</i> , 2018, 125, 118-125.	1.3	47
21	Emergency Department Corticosteroid Use for Allergy or Anaphylaxis Is Not Associated With Decreased Relapses. <i>Annals of Emergency Medicine</i> , 2015, 66, 381-389.	0.3	40
22	The relationship between no-flow interval and survival with favourable neurological outcome in out-of-hospital cardiac arrest: Implications for outcomes and ECPR eligibility. <i>Resuscitation</i> , 2020, 155, 219-225.	1.3	37
23	Extracorporeal Cardiopulmonary Resuscitation for Refractory Out-of-Hospital Cardiac Arrest: The State of the Evidence and Framework for Application. <i>Canadian Journal of Cardiology</i> , 2018, 34, 146-155.	0.8	36
24	Is initial rhythm in OHCA a predictor of preceding no flow time? Implications for bystander response and ECPR candidacy evaluation. <i>Resuscitation</i> , 2018, 128, 88-92.	1.3	36
25	Bystanders are less willing to resuscitate out-of-hospital cardiac arrest victims during the COVID-19 pandemic. <i>Resuscitation Plus</i> , 2020, 4, 100034.	0.6	35
26	Safety of a Brief Emergency Department Observation Protocol for Patients With Presumed Fentanyl Overdose. <i>Annals of Emergency Medicine</i> , 2018, 72, 1-8.e1.	0.3	33
27	Epinephrine use in older patients with anaphylaxis: Clinical outcomes and cardiovascular complications. <i>Resuscitation</i> , 2017, 112, 53-58.	1.3	31
28	Veno-arterial extracorporeal membrane oxygenation (VA-ECMO) for emergency cardiac support. <i>Journal of Critical Care</i> , 2018, 44, 31-38.	1.0	30
29	Door-to-Targeted Temperature Management Initiation Time and Outcomes in Out-of-Hospital Cardiac Arrest: Insights From the Continuous Chest Compressions Trial. <i>Journal of the American Heart Association</i> , 2019, 8, e012001.	1.6	28
30	Traumatic and hemorrhagic complications after extracorporeal cardiopulmonary resuscitation for out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2020, 157, 225-229.	1.3	26
31	External Validation of the Universal Termination of Resuscitation Rule for Out-of-Hospital Cardiac Arrest in British Columbia. <i>Annals of Emergency Medicine</i> , 2017, 70, 374-381.e1.	0.3	25
32	Prehospital sodium bicarbonate use could worsen long term survival with favorable neurological recovery among patients with out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2017, 119, 63-69.	1.3	25
33	A comprehensive regional clinical and educational ECPR protocol decreases time to ECMO in patients with refractory out-of-hospital cardiac arrest. <i>Canadian Journal of Emergency Medicine</i> , 2017, 19, 424-433.	0.5	25
34	A Higher Antibody Response Is Generated With a 6- to 7-Week (vs Standard) Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Vaccine Dosing Interval. <i>Clinical Infectious Diseases</i> , 2022, 75, e888-e891.	2.9	25
35	Early advanced life support attendance is associated with improved survival and neurologic outcomes after non-traumatic out-of-hospital cardiac arrest in a tiered prehospital response system. <i>Resuscitation</i> , 2019, 135, 137-144.	1.3	24
36	Decrease in emergency medical services utilization during early stages of the COVID-19 pandemic in British Columbia. <i>Canadian Journal of Emergency Medicine</i> , 2021, 23, 237-241.	0.5	22

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37	Goal-Directed Care Using Invasive Neuromonitoring Versus Standard of Care After Cardiac Arrest: A Matched Cohort Study*. Critical Care Medicine, 2021, 49, 1333-1346.	0.4	22
38	Rapid Agitation Control With Ketamine in the Emergency Department: A Blinded, Randomized Controlled Trial. Annals of Emergency Medicine, 2021, 78, 788-795.	0.3	22
39	North American validation of the Bokutoh criteria for withholding professional resuscitation in non-traumatic out-of-hospital cardiac arrest. Resuscitation, 2019, 135, 51-56.	1.3	19
40	Characteristics and Thirty-day Outcomes of Emergency Department Patients With Elevated Creatine Kinase. Academic Emergency Medicine, 2014, 21, 631-636.	0.8	18
41	Gains of Continuing Resuscitation in Refractory Out-of-hospital Cardiac Arrest: A Model-based Analysis to Identify Deaths Due to Intra-arrest Prognostication. Prehospital Emergency Care, 2018, 22, 198-207.	1.0	18
42	Effects of intra-resuscitation antiarrhythmic administration on rearrest occurrence and intra-resuscitation ECG characteristics in the ROC ALPS trial. Resuscitation, 2018, 129, 6-12.	1.3	17
43	The Clinical Epidemiology and 30-Day Outcomes of Emergency Department Patients With Acute Kidney Injury. Canadian Journal of Kidney Health and Disease, 2017, 4, 205435811770398.	0.6	16
44	Compression-to-ventilation ratio and incidence of rearrestâ€”A secondary analysis of the ROC CCC trial. Resuscitation, 2017, 115, 68-74.	1.3	15
45	Patient self-management of warfarin therapy: pragmatic feasibility study in Canadian primary care. Canadian Family Physician, 2011, 57, e292-8.	0.1	15
46	Sex differences in out-of-hospital cardiac arrest interventions within the province of British Columbia, Canada. Resuscitation, 2020, 148, 128-134.	1.3	14
47	Dantrolene for the treatment of MDMA toxicity. Canadian Journal of Emergency Medicine, 2010, 12, 457-459.	0.5	13
48	Cardiac Intensive Care Unit Management of Patients After Cardiac Arrest: Now the Real Work Begins. Canadian Journal of Cardiology, 2018, 34, 156-167.	0.8	13
49	Barriers and opportunities related to extracorporeal cardiopulmonary resuscitation for out-of-hospital cardiac arrest in Canada: A report from the first meeting of the Canadian ECPR Research Working Group. Canadian Journal of Emergency Medicine, 2018, 20, 507-517.	0.5	13
50	Public access defibrillators: Gender-based inequities in access and application. Resuscitation, 2020, 150, 17-22.	1.3	13
51	Incremental gains in response time with varying base location types for drone-delivered automated external defibrillators. Resuscitation, 2022, 174, 24-30.	1.3	13
52	The Association of the Average Epinephrine Dosing Interval and Survival With Favorable Neurologic Status at Hospital Discharge in Out-of-Hospital Cardiac Arrest. Annals of Emergency Medicine, 2019, 74, 797-806.	0.3	12
53	The effect of sex and age on return of spontaneous circulation and survival to hospital discharge in patients with out of hospital cardiac arrest: A retrospective analysis of a Canadian population. Resuscitation Plus, 2021, 5, 100084.	0.6	12
54	H1â€”antihistamines Reduce Progression to Anaphylaxis Among Emergency Department Patients With Allergic Reactions. Academic Emergency Medicine, 2017, 24, 733-741.	0.8	11

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55	Extracorporeal life support rewarming rate is associated with survival with good neurological outcome in accidental hypothermia. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 59, 593-600.	0.6	11
56	Relationship Between Duration of Targeted Temperature Management, Ischemic Interval, and Good Functional Outcome From Out-of-Hospital Cardiac Arrest. <i>Critical Care Medicine</i> , 2020, 48, 370-377.	0.4	10
57	Prevalence of Ethanol Use Among Pregnant Women in Southwestern Uganda. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2015, 37, 901-902.	0.3	9
58	ReACanROC: Towards the creation of a Franceâ€“Canada research network for out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2020, 152, 133-140.	1.3	9
59	The association of scene-access delay and survival with favourable neurological status in patients with out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2020, 155, 211-218.	1.3	8
60	CAEP, CCCS, and CNSF Position Statement â€“ Management of devastating brain injuries in the emergency department: Enhancing neuroprognostication and maintaining the opportunity for organ and tissue donation. <i>Canadian Journal of Emergency Medicine</i> , 2020, 22, 658-660.	0.5	8
61	Targeted temperature management after out-of-hospital cardiac arrest: who, when, why, and how?. <i>Canadian Family Physician</i> , 2015, 61, 129-34.	0.1	8
62	Rationale for withholding professional resuscitation in emergency medical system-attended out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2022, 170, 201-206.	1.3	8
63	Evaluation of the Performance of a Multiplexed Serological Assay in the Detection of SARS-CoV-2 Infections in a Predominantly Vaccinated Population. <i>Microbiology Spectrum</i> , 2022, 10, e0145421.	1.2	8
64	A Prospective Observational Cohort Comparison of SARS-CoV-2 Seroprevalence Between Paramedics and Matched Blood Donors in Canada During the COVID-19 Pandemic. <i>Annals of Emergency Medicine</i> , 2022, 80, 38-45.	0.3	8
65	Safety and efficiency of outpatient versus emergency department-based coronary CT angiography for evaluation of patients with potential ischemic chest pain. <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 534-537.	0.7	7
66	Speed and accuracy of text-messaging emergency department electrocardiograms from a small community hospital to a provincial referral center. <i>Journal of Telemedicine and Telecare</i> , 2016, 22, 105-113.	1.4	7
67	Prevalence of Ethanol Use Among Pregnant Women in Southwestern Uganda. <i>Maternal and Child Health Journal</i> , 2016, 20, 2209-2215.	0.7	6
68	An interesting presentation of pediatric tetanus. <i>Canadian Journal of Emergency Medicine</i> , 2010, 12, 69-72.	0.5	5
69	Rapid agitation control with ketamine in the emergency department (RACKED): a randomized controlled trial protocol. <i>Trials</i> , 2018, 19, 651.	0.7	5
70	Lorazepam Versus Diazepam in the Management of Emergency Department Patients With Alcohol Withdrawal. <i>Annals of Emergency Medicine</i> , 2020, 76, 774-781.	0.3	5
71	EMS Access Constraints And Response Time Delays For Deprived Critically Ill Patients Near Paris, France. <i>Health Affairs</i> , 2020, 39, 1175-1184.	2.5	5
72	Current Use, Capacity, and Perceived Barriers to the Use of Extracorporeal Cardiopulmonary Resuscitation for Out-of-Hospital Cardiac Arrest in Canada. <i>CJC Open</i> , 2021, 3, 327-336.	0.7	5

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73	The association of pH values during the first 24h with neurological status at hospital discharge and futility among patients with out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2021, 159, 105-114.	1.3	5
74	A qualitative exploratory case series of patient and family experiences with ECPR for out-of-hospital cardiac arrest. <i>Resuscitation Plus</i> , 2021, 6, 100129.	0.6	5
75	A pragmatic parallel group implementation study of a prehospital-activated ECPR protocol for refractory out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2021, 167, 22-28.	1.3	5
76	Utilization and cost-effectiveness of school and community center AED deployment models in Canadian cities. <i>Resuscitation</i> , 2022, 172, 194-200.	1.3	5
77	Bayesian analysis of amiodarone or lidocaine versus placebo for out-of-hospital cardiac arrest. <i>Heart</i> , 2022, , heartjnl-2021-320513.	1.2	5
78	Speed and accuracy of mobile BlackBerry Messenger to transmit chest radiography images from a small community emergency department to a geographically remote referral center. <i>Journal of Telemedicine and Telecare</i> , 2016, 22, 244-251.	1.4	4
79	A goal to transform public access defibrillation to all access defibrillation. <i>Resuscitation</i> , 2021, 162, 417-419.	1.3	4
80	The association of intraosseous vascular access and survival among pediatric patients with out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2021, 167, 49-57.	1.3	4
81	Emergency medical services employing intra-arrest transport less frequently for out-of-hospital cardiac arrest have higher survival and favorable neurological outcomes. <i>Resuscitation</i> , 2021, 168, 27-34.	1.3	4
82	The daunting task of "clearing" the cervical spine. <i>Canadian Journal of Emergency Medicine</i> , 2012, 14, 187-192.	0.5	3
83	Rationale, development and implementation of the ReACanROC registry for out-of-hospital cardiac arrests in France and Canada. <i>Emergency Medicine Journal</i> , 2022, 39, 547-553.	0.4	3
84	Pre-menopausal-aged females have no neurological outcome advantage after out-of-hospital cardiac arrest: A multilevel analysis of North American populations. <i>Resuscitation</i> , 2021, 166, 58-65.	1.3	3
85	Out-of-hospital cardiac arrests terminated without full resuscitation attempts: Characteristics and regional variability. <i>Resuscitation</i> , 2022, 172, 47-53.	1.3	3
86	CEPP: Canadian Extracorporeal Life Support (ECLS) Protocol Project. <i>CJC Open</i> , 2022, 4, 520-531.	0.7	3
87	Comparative 6-Month Wild-Type and Delta-Variant Antibody Levels and Surrogate Neutralization for Adults Vaccinated with BNT162b2 versus mRNA-1273. <i>Microbiology Spectrum</i> , 2022, 10, e0270221.	1.2	3
88	Exposure to Alternative Healthcare Providers and Adherence to Guidelines among Patients with Diabetes. <i>Canadian Journal of Diabetes</i> , 2011, 35, 512-517.	0.4	2
89	A Promising Therapy in Jeopardy. <i>Circulation</i> , 2019, 139, 425-427.	1.6	2
90	A Survey of the Public's Ability to Recognize and Willingness to Intervene in Out-of-hospital Cardiac Arrest and Opioid Overdose. <i>Academic Emergency Medicine</i> , 2020, 27, 305-308.	0.8	2

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91	Prehospital initiation of mild therapeutic hypothermia for out-of-hospital cardiac arrest (OHCA): where are we now?. Canadian Journal of Emergency Medicine, 2015, 17, 227-230.	0.5	1
92	Comparison of Rates of Coronary Angiography and Combined Testing Procedures in Patients Seen in the Emergency Room With Chest Pain (But No Objective Acute Coronary Syndrome Findings) Having Coronary Computed Tomography Versus Exercise Stress Testing. American Journal of Cardiology, 2016, 118, 155-161.	0.7	1
93	Do neighbourhoods in Vancouver and surrounding areas demonstrate different rates of bystander CPR and survival for out-of-hospital cardiac arrest?. Canadian Journal of Emergency Medicine, 2018, 20, 53-67.	0.5	1
94	In reply:. Annals of Emergency Medicine, 2018, 72, 229-231.	0.3	1
95	Emergency Department Patients With a Prolonged Corrected <sc>QT</sc> Interval Do Not Have Increased Thirty-day Mortality. Academic Emergency Medicine, 2019, 26, 818-822.	0.8	1
96	Active management of atrial fibrillation or flutter in emergency department patients with renal impairment is associated with a higher risk of adverse events and treatment failure. Canadian Journal of Emergency Medicine, 2019, 21, 352-360.	0.5	1
97	Decision aid for early identification of acute underlying illness in emergency department patients with atrial fibrillation or flutter. Canadian Journal of Emergency Medicine, 2020, 22, 301-308.	0.5	1
98	Approach to Ventricular Arrhythmias in the Intensive Care Unit. Journal of Intensive Care Medicine, 2021, 36, 731-748.	1.3	1
99	In reply. Annals of Emergency Medicine, 2014, 64, 687-688.	0.3	0
100	Just the Facts: Extracorporeal cardiopulmonary resuscitation for out-of-hospital cardiac arrest. Canadian Journal of Emergency Medicine, 2020, 22, 760-763.	0.5	0
101	Duration of prehospital resuscitative efforts before termination of resuscitation is not associated with survival to hospital discharge after out-of-hospital cardiac arrest. Resuscitation, 2020, 155, S1-S2.	1.3	0
102	Abstract 13464: Underutilization of Invasive Coronary Angiography Post Out of Hospital Cardiac Arrest: is a Paradigm Shift Needed?. Circulation, 2014, 130, .	1.6	0
103	A Local Sensitivity Analysis of the Trial of Continuous or Interrupted Chest Compressions during Cardiopulmonary Resuscitation: Is a Local Protocol Change Required?. Cureus, 2018, 10, e3386.	0.2	0
104	Temporal trends of suicide-related non-traumatic out-of-hospital cardiac arrest characteristics and outcomes with the COVID-19 pandemic. Resuscitation Plus, 2022, 9, 100216.	0.6	0
105	Prognostic long-term value of nonobstructive disease in emergency department chest pain patients who undergo CCTA. Journal of Cardiovascular Computed Tomography, 2021, , .	0.7	0
106	Enhanced Cerebral Blood Flow and Hemodynamic Status with an Alternative Left Ventricle Chest Compression Position during Cardiopulmonary Resuscitation in Swine. FASEB Journal, 2022, 36, .	0.2	0
107	Abstract 18748: What is the Resilience of Out-of-hospital Cardiac Arrest Patients Who Do Not Receive Bystander Resuscitation?. Circulation, 2015, 132, .	1.6	0