

Jason A Bartos

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

3,674
citations

331259

21
h-index

138251

58
g-index

70
all docs

70
docs citations

70
times ranked

3000
citing authors

#	ARTICLE	IF	CITATIONS
1	Part 3: Adult Basic and Advanced Life Support: 2020 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. <i>Circulation</i> , 2020, 142, S366-S468.	1.6	896
2	Advanced reperfusion strategies for patients with out-of-hospital cardiac arrest and refractory ventricular fibrillation (ARREST): a phase 2, single centre, open-label, randomised controlled trial. <i>Lancet, The</i> , 2020, 396, 1807-1816.	6.3	519
3	Coronary Artery Disease in Patients With Out-of-Hospital Refractory Ventricular Fibrillation Cardiac Arrest. <i>Journal of the American College of Cardiology</i> , 2017, 70, 1109-1117.	1.2	249
4	Improved Survival With Extracorporeal Cardiopulmonary Resuscitation Despite Progressive Metabolic Derangement Associated With Prolonged Resuscitation. <i>Circulation</i> , 2020, 141, 877-886.	1.6	204
5	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
6	Minnesota Resuscitation Consortium's Advanced Perfusion and Reperfusion Cardiac Life Support Strategy for Out-of-Hospital Refractory Ventricular Fibrillation. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	177
7	Diagnosis, Treatment and Follow Up of Acute Pulmonary Embolism: Consensus Practice from the PERT Consortium. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2019, 25, 107602961985303.	0.7	174
8	The Evolving Role of the Cardiac Catheterization Laboratory in the Management of Patients With Out-of-Hospital Cardiac Arrest: A Scientific Statement From the American Heart Association. <i>Circulation</i> , 2019, 139, e530-e552.	1.6	154
9	Inotropes. <i>Journal of the American College of Cardiology</i> , 2014, 63, 2069-2078.	1.2	135
10	Surviving refractory out-of-hospital ventricular fibrillation cardiac arrest: Critical care and extracorporeal membrane oxygenation management. <i>Resuscitation</i> , 2018, 132, 47-55.	1.3	127
11	Striatal-enriched Protein-tyrosine Phosphatase (STEP) Regulates Pyk2 Kinase Activity. <i>Journal of Biological Chemistry</i> , 2012, 287, 20942-20956.	1.6	77
12	Postsynaptic Clustering and Activation of Pyk2 by PSD-95. <i>Journal of Neuroscience</i> , 2010, 30, 449-463.	1.7	75
13	The Minnesota mobile extracorporeal cardiopulmonary resuscitation consortium for treatment of out-of-hospital refractory ventricular fibrillation: Program description, performance, and outcomes. <i>EClinicalMedicine</i> , 2020, 29-30, 100632.	3.2	58
14	Overview of Venous-Arterial Extracorporeal Membrane Oxygenation (VA-ECMO) Support for the Management of Cardiogenic Shock. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 686558.	1.1	55
15	Displacement of β -Actinin from the NMDA Receptor NR1 C0 Domain By Ca^{2+} /Calmodulin Promotes CaMKII Binding. <i>Biochemistry</i> , 2007, 46, 8485-8497.	1.2	42
16	Apo-Calmodulin Binds with its C-terminal Domain to the N-Methyl-d-aspartate Receptor NR1 C0 Region. <i>Journal of Biological Chemistry</i> , 2004, 279, 2166-2175.	1.6	39
17	Early Effects of Prolonged Cardiac Arrest and Ischemic Postconditioning during Cardiopulmonary Resuscitation on Cardiac and Brain Mitochondrial Function in Pigs. <i>Resuscitation</i> , 2017, 116, 8-15.	1.3	34
18	Bundled postconditioning therapies improve hemodynamics and neurologic recovery after 17min of untreated cardiac arrest. <i>Resuscitation</i> , 2015, 87, 7-13.	1.3	33

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19	Intracoronary Poloxamer 188 Prevents Reperfusion Injury in a Porcine Model of ST-Segment Elevation Myocardial Infarction. <i>JACC Basic To Translational Science</i> , 2016, 1, 224-234.	1.9	32
20	Extracorporeal cardiopulmonary resuscitation for cardiac arrest. <i>Current Opinion in Critical Care</i> , 2020, 26, 228-235.	1.6	29
21	The association of modifiable mechanical ventilation settings, blood gas changes and survival on extracorporeal membrane oxygenation for cardiac arrest. <i>Resuscitation</i> , 2022, 174, 53-61.	1.3	25
22	Cardiac Muscle Membrane Stabilization in Myocardial Reperfusion Injury. <i>JACC Basic To Translational Science</i> , 2019, 4, 275-287.	1.9	24
23	Rationale and methods of the Advanced Reperfusion Strategies for Refractory Cardiac Arrest (ARREST) trial. <i>American Heart Journal</i> , 2020, 229, 29-39.	1.2	24
24	Anaesthetic Postconditioning at the Initiation of CPR Improves Myocardial and Mitochondrial Function in a Pig Model of Prolonged Untreated Ventricular Fibrillation. <i>Resuscitation</i> , 2014, 85, 1745-1751.	1.3	20
25	Echocardiographic evaluation of cardiac recovery after refractory out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2020, 154, 38-46.	1.3	17
26	ECPR2: Expert Consensus on Percutaneous Cannulation for Extracorporeal Cardiopulmonary Resuscitation. <i>Resuscitation</i> , 2022, 179, 214-220.	1.3	17
27	Role of Epinephrine and Extracorporeal Membrane Oxygenation in the Management of Ischemic Refractory Ventricular Fibrillation. <i>JACC Basic To Translational Science</i> , 2017, 2, 244-253.	1.9	15
28	Sodium nitroprusside enhanced cardiopulmonary resuscitation improves short term survival in a porcine model of ischemic refractory ventricular fibrillation. <i>Resuscitation</i> , 2017, 110, 6-11.	1.3	15
29	Concomitant Respiratory Failure Can Impair Myocardial Oxygenation in Patients with Acute Cardiogenic Shock Supported by VA-ECMO. <i>Journal of Cardiovascular Translational Research</i> , 2022, 15, 217-226.	1.1	15
30	Computed Tomography-Guided Percutaneous Needle Biopsy of Indeterminate Pulmonary Pathology: Efficacy of Obtaining a Diagnostic Sample in Immunocompetent and Immunocompromised Patients. <i>Clinical Lung Cancer</i> , 2010, 11, 251-256.	1.1	14
31	Outcomes associated with delayed enteral feeding after cardiac arrest treated with veno-arterial extracorporeal membrane oxygenation and targeted temperature management. <i>Resuscitation</i> , 2021, 164, 20-26.	1.3	14
32	Post-conditioning to improve cardiopulmonary resuscitation. <i>Current Opinion in Critical Care</i> , 2014, 20, 242-249.	1.6	12
33	The future is now: neuroprotection during cardiopulmonary resuscitation. <i>Current Opinion in Critical Care</i> , 2017, 23, 215-222.	1.6	12
34	Prevention of transplant coronary artery disease by prenylation inhibitors. <i>Journal of Heart and Lung Transplantation</i> , 2011, 30, 761-769.	0.3	11
35	Refractory cardiac arrest: where extracorporeal cardiopulmonary resuscitation fits. <i>Current Opinion in Critical Care</i> , 2020, 26, 596-602.	1.6	10
36	Poloxamer 188 Protects Isolated Adult Mouse Cardiomyocytes from Reoxygenation Injury. <i>Pharmacology Research and Perspectives</i> , 2020, 8, e00639.	1.1	10

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37	Sodium Nitroprussideâ€Enhanced Cardiopulmonary Resuscitation Facilitates Intra-Arrest Therapeutic Hypothermia in a Porcine Model of Prolonged Ventricular Fibrillation*. Critical Care Medicine, 2015, 43, 849-855.	0.4	9
38	Reperfusion injury protection during Basic Life Support improves circulation and survival outcomes in a porcine model of prolonged cardiac arrest. Resuscitation, 2016, 105, 29-35.	1.3	8
39	Increased QT Dispersion Is Linked to Worse Outcomes in Patients Hospitalized for Out-of-Hospital Cardiac Arrest. Journal of the American Heart Association, 2020, 9, e016485.	1.6	8
40	Coronary artery disease burden relation with the presentation of acute cardiac events and ventricular fibrillation. Catheterization and Cardiovascular Interventions, 2022, 99, 804-811.	0.7	8
41	Non-volume-loaded heart provides a more relevant heterotopic transplantation model. Transplant Immunology, 2010, 23, 65-70.	0.6	7
42	Rationale and Strategies for Development of an Optimal Bundle of Management for Cardiac Arrest. , 2020, 2, e0214.		7
43	Kounis Syndrome Leading to Cardiac Arrest After Iodinated Contrast Exposure. JACC: Case Reports, 2020, 2, 626-629.	0.3	7
44	Contemporary approaches to cardiopulmonary resuscitation: physiology-guided approaches. Journal of Emergency and Critical Care Medicine, 0, 4, 19-19.	0.7	7
45	Computed Tomography Coronary Plaque Characteristics Predict Ischemia Detected by Invasive Fractional Flow Reserve. Journal of Thoracic Imaging, 2020, Publish Ahead of Print, 360-366.	0.8	6
46	Synchronized Pulsatile Flow With Low Systolic Output From Veno-Arterial Extracorporeal Membrane Oxygenation Improves Myocardial Recovery After Experimental Cardiac Arrest in Pigs. Artificial Organs, 2018, 42, 597-604.	1.0	5
47	Sodium Nitroprussideâ€Enhanced Cardiopulmonary Resuscitation Improves Blood Flow by Pulmonary Vasodilation Leading to Higher Oxygen Requirements. JACC Basic To Translational Science, 2020, 5, 183-192.	1.9	5
48	Patients treated with venoarterial extracorporeal membrane oxygenation have different baseline risk and outcomes dependent on indication and route of cannulation. Hellenic Journal of Cardiology, 2021, 62, 38-45.	0.4	5
49	Enhancing cardiac arrest survival with extracorporeal cardiopulmonary resuscitation: insights into the process of death. Annals of the New York Academy of Sciences, 2021, , .	1.8	5
50	The rise of the machines: ECLS and other temporary mechanical support for patients with cardiac arrest. Resuscitation, 2020, 151, 208-210.	1.3	4
51	Novelties in pharmacological management of cardiopulmonary resuscitation. Current Opinion in Critical Care, 2013, 19, 417-423.	1.6	3
52	Abstract 10: Early Neuroprognostication After Refractory VF/VT Cardiac Arrest Requiring ECPR. Circulation, 2019, 140, .	1.6	3
53	The High-Risk Patient With Heart Failure With Reduced Ejection Fraction: Treatment Options and Challenges. Clinical Pharmacology and Therapeutics, 2013, 94, 509-518.	2.3	2
54	Identifying Candidates for Advanced Hemodynamic Support After Cardiac Arrest. Circulation, 2018, 137, 283-285.	1.6	2

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55	Closed-loop machine-controlled CPR system optimises haemodynamics during prolonged CPR. Resuscitation Plus, 2020, 3, 100021.	0.6	2
56	Current Work in Extracorporeal Cardiopulmonary Resuscitation. Critical Care Clinics, 2020, 36, 723-735.	1.0	2
57	Response by Bartos and Yannopoulos to Letter Regarding Article, "Improved Survival With Extracorporeal Cardiopulmonary Resuscitation Despite Progressive Metabolic Derangement Associated With Prolonged Resuscitation"; Circulation, 2020, 142, e121-e122.	1.6	2
58	Impact of AKI in Patients with Out-of-Hospital Cardiac Arrest Managed with VA ECMO. Kidney360, 2021, 2, 1827-1830.	0.9	2
59	Extracorporeal Life Support for Cardiac Arrest and Cardiogenic Shock. US Cardiology Review, 0, 15, .	0.5	2
60	The Tool Is Only as Good as the Person Who Wields It. JACC: Cardiovascular Interventions, 2022, 15, 248-250.	1.1	2
61	Intraoperative Temperature Management. Therapeutic Hypothermia and Temperature Management, 2020, 10, 6-10.	0.3	1
62	Refractory cardiac arrest: when timing is crucial " Authors' reply. Lancet, The, 2021, 398, 23-24.	6.3	1
63	ST-Elevation Myocardial Infarction Complicated by Out-of-Hospital Cardiac Arrest. Interventional Cardiology Clinics, 2021, 10, 359-368.	0.2	1
64	A fork in the road after STEMI: Rapid recovery and discharge or cardiac arrest and high mortality. Resuscitation, 2020, 148, 266-268.	1.3	0
65	Coronary angiography after cardiac arrest: Toward a nuanced approach. Resuscitation, 2021, 167, 422-424.	1.3	0
66	Reply to: Immortal time bias in an observational study on enteral nutrition. Resuscitation, 2021, 166, 146-147.	1.3	0
67	Effect Of Membrane Sealing Copolymer Poloxamer188 On Cardiac Mitochondrial Subpopulations In A Porcine Model Of Acute Myocardial Infarction. FASEB Journal, 2018, 32, 717.4.	0.2	0