

Robert W Neumar

List of Publications by Year in Descending Order

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

58
papers

15,028
citations

25
h-index

72
g-index

72
ext. papers

17,345
ext. citations

7
avg, IF

5.58
L-index

#	Paper	IF	Citations
58	Rapid Treatment with Intramuscular Magnesium Sulfate During Cardiopulmonary Resuscitation Does Not Provide Neuroprotection Following Cardiac Arrest.. <i>Molecular Neurobiology</i> , 2022 , 59, 1872	6.2	0
57	The Association of Fire or Police First Responder Initiated Interventions with Out of Hospital Cardiac Arrest Survival.. <i>Resuscitation</i> , 2022 ,	4	2
56	Extracorporeal cardiopulmonary resuscitation for out-of-hospital cardiac arrest - who, when, and where?. <i>Current Opinion in Critical Care</i> , 2022 , 28, 276-283	3.5	0
55	Machine learning-based classification of mitochondrial morphology in primary neurons and brain. <i>Scientific Reports</i> , 2021 , 11, 5133	4.9	3
54	Machine learning model for predicting out-of-hospital cardiac arrests using meteorological and chronological data. <i>Heart</i> , 2021 ,	5.1	4
53	Mitochondrial fission and mitophagy are independent mechanisms regulating ischemia/reperfusion injury in primary neurons. <i>Cell Death and Disease</i> , 2021 , 12, 475	9.8	6
52	Variation in pre-hospital outcomes after out-of-hospital cardiac arrest in Michigan. <i>Resuscitation</i> , 2021 , 158, 201-207	4	1
51	Aerosol generation during chest compression and defibrillation in a swine cardiac arrest model. <i>Resuscitation</i> , 2021 , 159, 28-34	4	10
50	The Design of an Adaptive Clinical Trial to Evaluate the Efficacy of Extra-Corporeal Membrane Oxygenation for Out-of-Hospital Cardiac Arrest. <i>Resuscitation</i> , 2021 , 158, 185-192	4	0
49	Prehospital Tibial Intraosseous Drug Administration is Associated with Reduced Survival Following Out of Hospital Cardiac Arrest: A study for the CARES Surveillance Group. <i>Resuscitation</i> , 2021 , 167, 261-266	4	0
48	Extracorporeal Cardiopulmonary Resuscitation for Refractory Out-of-Hospital Cardiac Arrest (EROCA): Results of a Randomized Feasibility Trial of Expedited Out-of-Hospital Transport. <i>Annals of Emergency Medicine</i> , 2021 , 78, 92-101	2.1	10
47	Brain injury after cardiac arrest. <i>Lancet, The</i> , 2021 , 398, 1269-1278	40	9
46	Dose optimization of early high-dose valproic acid for neuroprotection in a swine cardiac arrest model. <i>Resuscitation Plus</i> , 2020 , 1-2, 100007	1.4	1
45	Intravenous vs. intraosseous administration of drugs during cardiac arrest: A systematic review. <i>Resuscitation</i> , 2020 , 149, 150-157	4	31
44	Enhancing Prehospital Outcomes for Cardiac Arrest (EPOC) study: sequential mixed-methods study protocol in Michigan, USA. <i>BMJ Open</i> , 2020 , 10, e041277	3	1
43	Post-cardiac Arrest Management 2020 , 9-20		
42	The Process of Team Building Among Content Experts and Methodologists: An Example From an Emergency Medical Services Research Investigation Kick-Off Meeting. <i>International Journal of Qualitative Methods, The</i> , 2020 , 19, 160940692095511	3.3	1

41	Use of resuscitative balloon occlusion of the aorta in a swine model of prolonged cardiac arrest. <i>Resuscitation</i> , 2019 , 140, 106-112	4	13
40	Simulation training enables emergency medicine providers to rapidly and safely initiate extracorporeal cardiopulmonary resuscitation (ECPR) in a simulated cardiac arrest scenario. <i>Resuscitation</i> , 2019 , 138, 68-73	4	20
39	Disability-Adjusted Life Years Following Adult Out-of-Hospital Cardiac Arrest in the United States. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019 , 12, e004677	5.8	27
38	Vasopressors during adult cardiac arrest: A systematic review and meta-analysis. <i>Resuscitation</i> , 2019 , 139, 106-121	4	43
37	Association of an Emergency Department-Based Intensive Care Unit With Survival and Inpatient Intensive Care Unit Admissions. <i>JAMA Network Open</i> , 2019 , 2, e197584	10.4	40
36	The importance of developing global emergency medicine research network. <i>American Journal of Emergency Medicine</i> , 2019 , 37, 744-745	2.9	2
35	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	4	19
34	Future Vision for ILCOR and Its Role in the Global Resuscitation Community. <i>Circulation</i> , 2018 , 138, 1085-1087	10.7	3
33	Heart Disease and Stroke Statistics-2017 Update: A Report From the American Heart Association. <i>Circulation</i> , 2017 , 135, e146-e603	16.7	5568
32	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	4	20
31	Adult out-of-hospital cardiac arrest in philadelphia from 2008-2012: An epidemiological study. <i>Resuscitation</i> , 2017 , 115, 17-22	4	3
30	Valproic Acid Combined With Postcardiac Arrest Hypothermic-Targeted Temperature Management Prevents Delayed Seizures and Improves Survival in a Rat Cardiac Arrest Model. <i>Critical Care Medicine</i> , 2017 , 45, e1149-e1156	1.4	14
29	Descriptive analysis of extracorporeal cardiopulmonary resuscitation following out-of-hospital cardiac arrest-An ELSO registry study. <i>Resuscitation</i> , 2017 , 119, 56-62	4	55
28	Future Directions: Management of Sudden Cardiac Death. <i>Cardiac Electrophysiology Clinics</i> , 2017 , 9, 785-790	10.4	1
27	National Institutes of Health-Funded Cardiac Arrest Research: A 10-Year Trend Analysis. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	16
26	Heart Disease and Stroke Statistics-2016 Update: A Report From the American Heart Association. <i>Circulation</i> , 2016 , 133, e38-360	16.7	4504
25	Identifying Important Gaps in Randomized Controlled Trials of Adult Cardiac Arrest Treatments: A Systematic Review of the Published Literature. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2016 , 9, 749-756	5.8	29
24	Doubling Cardiac Arrest Survival by 2020: Achieving the American Heart Association Impact Goal. <i>Circulation</i> , 2016 , 134, 2037-2039	16.7	12

23	Combined intra- and post-cardiac arrest hypothermic-targeted temperature management in a rat model of asphyxial cardiac arrest improves survival and neurologic outcome compared to either strategy alone. <i>Resuscitation</i> , 2016 , 107, 94-101	4	9
22	Part 1: Executive Summary: 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. <i>Circulation</i> , 2015 , 132, S315-67	16.7	510
21	Part 7: Adult Advanced Cardiovascular Life Support: 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. <i>Circulation</i> , 2015 , 132, S444-64	16.7	827
20	Part 4: Advanced Life Support: 2015 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. <i>Circulation</i> , 2015 , 132, S84-145	16.7	222
19	Bundled postconditioning therapies improve hemodynamics and neurologic recovery after 17 min of untreated cardiac arrest. <i>Resuscitation</i> , 2015 , 87, 7-13	4	25
18	Cardiac arrest and cardiopulmonary resuscitation outcome reports: update of the Utstein Resuscitation Registry Templates for Out-of-Hospital Cardiac Arrest: a statement for healthcare professionals from a task force of the International Liaison Committee on Resuscitation (American Heart Association, European Resuscitation Council, Australian and New Zealand Council on Resuscitation)	16.7	472
17	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, 1745-51 ⁴		17
16	Impact of therapeutic hypothermia onset and duration on survival, neurologic function, and neurodegeneration after cardiac arrest. <i>Critical Care Medicine</i> , 2011 , 39, 1423-30	1.4	115
15	Optimal oxygenation during and after cardiopulmonary resuscitation. <i>Current Opinion in Critical Care</i> , 2011 , 17, 236-40	3.5	39
14	Implementation strategies for improving survival after out-of-hospital cardiac arrest in the United States: consensus recommendations from the 2009 American Heart Association Cardiac Arrest Survival Summit. <i>Circulation</i> , 2011 , 123, 2898-910	16.7	48
13	Calpain-cleaved type 1 inositol 1,4,5-trisphosphate receptor (InsP(3)R1) has InsP(3)-independent gating and disrupts intracellular Ca(2+) homeostasis. <i>Journal of Biological Chemistry</i> , 2011 , 286, 35998-36010	5.4	28
12	Regional systems of care for out-of-hospital cardiac arrest: A policy statement from the American Heart Association. <i>Circulation</i> , 2010 , 121, 709-29	16.7	248
11	Part 8: adult advanced cardiovascular life support: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. <i>Circulation</i> , 2010 , 122, S729-67	16.7	1025
10	NIH Roundtable on Emergency Trauma Research. <i>Annals of Emergency Medicine</i> , 2010 , 56, 538-50	2.1	31
9	NIH Roundtable on Opportunities to Advance Research on Neurologic and Psychiatric Emergencies. <i>Annals of Emergency Medicine</i> , 2010 , 56, 551-64	2.1	51
8	Inter-hospital variability in post-cardiac arrest mortality. <i>Resuscitation</i> , 2009 , 80, 30-4	4	202
7	Status report: Development of emergency medicine research since the Macy Report. <i>Annals of Emergency Medicine</i> , 2003 , 42, 66-80	2.1	11
6	Cross-talk between calpain and caspase proteolytic systems during neuronal apoptosis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 14162-7	5.4	204

5	Molecular mechanisms of ischemic neuronal injury. <i>Annals of Emergency Medicine</i> , 2000 , 36, 483-506	2.1	142
4	Outcome model of asphyxial cardiac arrest in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995 , 15, 1032-9	7.3	211
3	Epinephrine and sodium bicarbonate during CPR following asphyxial cardiac arrest in rats. <i>Resuscitation</i> , 1995 , 29, 249-63	4	101
2	Global brain ischemia and reperfusion236-281		2
1	Bringing it all together: brain-oriented postresuscitation critical care902-918		