

Robert W Neumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1409831/publications.pdf>

Version: 2024-02-01

71
papers

19,442
citations

159358

30
h-index

118652

62
g-index

72
all docs

72
docs citations

72
times ranked

30579
citing authors

#	ARTICLE	IF	CITATIONS
1	Heart Disease and Stroke Statisticsâ€™2017 Update: A Report From the American Heart Association. <i>Circulation</i> , 2017, 135, e146-e603.	1.6	7,085
2	Heart Disease and Stroke Statisticsâ€™2016 Update. <i>Circulation</i> , 2016, 133, e38-360.	1.6	5,447
3	Part 8: Adult Advanced Cardiovascular Life Support. <i>Circulation</i> , 2010, 122, S729-67.	1.6	1,294
4	Part 7: Adult Advanced Cardiovascular Life Support. <i>Circulation</i> , 2015, 132, S444-64.	1.6	1,009
5	Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports: Update of the Utstein Resuscitation Registry Templates for Out-of-Hospital Cardiac Arrest. <i>Circulation</i> , 2015, 132, 1286-1300.	1.6	726
6	Part 1: Executive Summary. <i>Circulation</i> , 2015, 132, S315-67.	1.6	634
7	Part 4: Advanced Life Support. <i>Circulation</i> , 2015, 132, S84-145.	1.6	560
8	Regional Systems of Care for Out-of-Hospital Cardiac Arrest. <i>Circulation</i> , 2010, 121, 709-729.	1.6	297
9	Outcome Model of Asphyxial Cardiac Arrest in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995, 15, 1032-1039.	2.4	236
10	Inter-hospital variability in post-cardiac arrest mortality. <i>Resuscitation</i> , 2009, 80, 30-34.	1.3	234
11	Cross-talk between Calpain and Caspase Proteolytic Systems During Neuronal Apoptosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 14162-14167.	1.6	225
12	Molecular mechanisms of ischemic neuronal injury. <i>Annals of Emergency Medicine</i> , 2000, 36, 483-506.	0.3	163
13	Impact of therapeutic hypothermia onset and duration on survival, neurologic function, and neurodegeneration after cardiac arrest*. <i>Critical Care Medicine</i> , 2011, 39, 1423-1430.	0.4	146
14	Epinephrine and sodium bicarbonate during CPR following asphyxial cardiac arrest in rats. <i>Resuscitation</i> , 1995, 29, 249-263.	1.3	125
15	Descriptive analysis of extracorporeal cardiopulmonary resuscitation following out-of-hospital cardiac arrestâ€™An ELSO registry study. <i>Resuscitation</i> , 2017, 119, 56-62.	1.3	87
16	Brain injury after cardiac arrest. <i>Lancet, The</i> , 2021, 398, 1269-1278.	6.3	86
17	Vasopressors during adult cardiac arrest: A systematic review and meta-analysis. <i>Resuscitation</i> , 2019, 139, 106-121.	1.3	76
18	Association of an Emergency Departmentâ€™Based Intensive Care Unit With Survival and Inpatient Intensive Care Unit Admissions. <i>JAMA Network Open</i> , 2019, 2, e197584.	2.8	65

#	ARTICLE	IF	CITATIONS
19	NIH Roundtable on Opportunities to Advance Research on Neurologic and Psychiatric Emergencies. <i>Annals of Emergency Medicine</i> , 2010, 56, 551-564.	0.3	63
20	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.	0.3	61
21	Implementation Strategies for Improving Survival After Out-of-Hospital Cardiac Arrest in the United States. <i>Circulation</i> , 2011, 123, 2898-2910.	1.6	56
22	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.	0.9	55
23	Intravenous vs. intraosseous administration of drugs during cardiac arrest: A systematic review. <i>Resuscitation</i> , 2020, 149, 150-157.	1.3	54
24	Optimal oxygenation during and after cardiopulmonary resuscitation. <i>Current Opinion in Critical Care</i> , 2011, 17, 236-240.	1.6	50
25	Identifying Important Gaps in Randomized Controlled Trials of Adult Cardiac Arrest Treatments. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2016, 9, 749-756.	0.9	50
26	NIH Roundtable on Emergency Trauma Research. <i>Annals of Emergency Medicine</i> , 2010, 56, 538-550.	0.3	43
27	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.	1.3	39
28	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
29	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
30	Calpain-cleaved Type 1 Inositol 1,4,5-Trisphosphate Receptor (InsP3R1) Has InsP3-independent Gating and Disrupts Intracellular Ca ²⁺ Homeostasis*. <i>Journal of Biological Chemistry</i> , 2011, 286, 35998-36010.	1.6	33
31	Bundled postconditioning therapies improve hemodynamics and neurologic recovery after 17min of untreated cardiac arrest. <i>Resuscitation</i> , 2015, 87, 7-13.	1.3	33
32	National Institutes of Healthâ€™Funded Cardiac Arrest Research: A 10â€™Year Trend Analysis. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	27
33	Use of resuscitative balloon occlusion of the aorta in a swine model of prolonged cardiac arrest. <i>Resuscitation</i> , 2019, 140, 106-112.	1.3	23
34	The Zerhouni Challenge: Defining the Fundamental Hypothesis of Emergency Care Research. <i>Annals of Emergency Medicine</i> , 2007, 49, 696-697.	0.3	21
35	Aerosol generation during chest compression and defibrillation in a swine cardiac arrest model. <i>Resuscitation</i> , 2021, 159, 28-34.	1.3	21
36	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

#	ARTICLE	IF	CITATIONS
37	Status report: Development of emergency medicine research since the macy report. <i>Annals of Emergency Medicine</i> , 2003, 42, 66-80.	0.3	19
38	Doubling Cardiac Arrest Survival by 2020. <i>Circulation</i> , 2016, 134, 2037-2039.	1.6	19
39	Machine learning-based classification of mitochondrial morphology in primary neurons and brain. <i>Scientific Reports</i> , 2021, 11, 5133.	1.6	19
40	Machine learning model for predicting out-of-hospital cardiac arrests using meteorological and chronological data. <i>Heart</i> , 2021, 107, 1084-1091.	1.2	19
41	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.	0.4	18
42	Mitochondrial fission and mitophagy are independent mechanisms regulating ischemia/reperfusion injury in primary neurons. <i>Cell Death and Disease</i> , 2021, 12, 475.	2.7	17
43	ECPR2: Expert Consensus on Percutaneous Cannulation for Extracorporeal CardioPulmonary Resuscitation. <i>Resuscitation</i> , 2022, 179, 214-220.	1.3	17
44	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.	1.3	16
45	The association of fire or police first responder initiated interventions with out of hospital cardiac arrest survival. <i>Resuscitation</i> , 2022, 174, 9-15.	1.3	14
46	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.	1.3	10
47	Emergency medicine research: 2030 strategic goals. <i>Academic Emergency Medicine</i> , 2022, 29, 241-251.	0.8	8
48	The importance of developing global emergency medicine research network. <i>American Journal of Emergency Medicine</i> , 2019, 37, 744-745.	0.7	6
49	Future Vision for ILCOR and Its Role in the Global Resuscitation Community. <i>Circulation</i> , 2018, 138, 1085-1087.	1.6	5
50	Variation in pre-hospital outcomes after out-of-hospital cardiac arrest in Michigan. <i>Resuscitation</i> , 2021, 158, 201-207.	1.3	5
51	Adult out-of-hospital cardiac arrest in philadelphia from 2008 to 2012: An epidemiological study. <i>Resuscitation</i> , 2017, 115, 17-22.	1.3	4
52	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</i> , 2020, 19, 160940692095511.	1.3	4
53	Extracorporeal cardiopulmonary resuscitation for out-of-hospital cardiac arrest - who, when, and where?. <i>Current Opinion in Critical Care</i> , 2022, 28, 276-283.	1.6	4
54	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.	1.3	3

#	ARTICLE	IF	CITATIONS
55	Enhancing Prehospital Outcomes for Cardiac Arrest (EPOC) study: sequential mixed-methods study protocol in Michigan, USA. <i>BMJ Open</i> , 2020, 10, e041277.	0.8	3
56	Assessment of telecommunicator cardiopulmonary resuscitation performance during out-of-hospital cardiac arrest using a standardized tool for audio review. <i>Resuscitation</i> , 2022, 178, 102-108.	1.3	3
57	Establishing a multicenter, preclinical consortium in resuscitation: A pilot experimental trial evaluating epinephrine in cardiac arrest. <i>Resuscitation</i> , 2022, 175, 57-63.	1.3	3
58	Global brain ischemia and reperfusion. , 0, , 236-281.		2
59	National Institutes of Health Funding of Emergency Care Research: Feast or Famine?. <i>Annals of Emergency Medicine</i> , 2016, 68, 172-173.	0.3	2
60	Research in Emergency Medicine: Building the Investigator Pipeline. <i>Annals of Emergency Medicine</i> , 2018, 72, 691-695.	0.3	2
61	To Breathe or Not to Breathe. <i>Circulation</i> , 2019, 139, 2610-2612.	1.6	2
62	Rapid Treatment with Intramuscular Magnesium Sulfate During Cardiopulmonary Resuscitation Does Not Provide Neuroprotection Following Cardiac Arrest. <i>Molecular Neurobiology</i> , 2022, 59, 1872.	1.9	2
63	Dose optimization of early high-dose valproic acid for neuroprotection in a swine cardiac arrest model. <i>Resuscitation Plus</i> , 2020, 1-2, 100007.	0.6	1
64	Integration of social media with targeted emails and in-person outreach for exception from informed consent community consultation. <i>Academic Emergency Medicine</i> , 2021, , .	0.8	1
65	Bringing it all together: brain-oriented postresuscitation critical care. , 0, , 902-918.		0
66	Future Directions. <i>Cardiac Electrophysiology Clinics</i> , 2017, 9, 785-790.	0.7	0
67	Abstract 18713: Quantification of Cortical Recovery After Cardiac Arrest With Continuous Somatosensory Evoked Potentials. <i>Circulation</i> , 2015, 132, .	1.6	0
68	Abstract 29: Comparison of Amiodarone versus Lidocaine for Treatment of In-Hospital Cardiac Arrest. <i>Circulation</i> , 2019, 140, .	1.6	0
69	Post-cardiac Arrest Management. , 2020, , 9-20.		0
70	Abstract 17637: Combination Therapy With Hypothermic Target Temperature Management and Valproic Acid After Cardiac Arrest. <i>Circulation</i> , 2015, 132, .	1.6	0
71	Abstract 15923: Dose-dependent Effect of Sevoflurane Postconditioning on Coronary Perfusion Pressure During Early Cardiopulmonary Resuscitation in a Pig Model of Prolonged Cardiac Arrest. <i>Circulation</i> , 2015, 132, .	1.6	0