

Robert G Walker

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37
papers

1,033
citations

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h-index

32
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38
ext. papers

1,160
ext. citations

4.9
avg, IF

3.42
L-index

#	Paper	IF	Citations
37	Choosing the optimal monophasic and biphasic waveforms for ventricular defibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 1995 , 6, 737-50	2.7	96
36	Better outcome after pediatric defibrillation dosage than adult dosage in a swine model of pediatric ventricular fibrillation. <i>Journal of the American College of Cardiology</i> , 2005 , 45, 786-9	15.1	75
35	BIPHASIC Trial: a randomized comparison of fixed lower versus escalating higher energy levels for defibrillation in out-of-hospital cardiac arrest. <i>Circulation</i> , 2007 , 115, 1511-7	16.7	73
34	Attenuated adult biphasic shocks compared with weight-based monophasic shocks in a swine model of prolonged pediatric ventricular fibrillation. <i>Resuscitation</i> , 2004 , 61, 189-97	4	72
33	Recurrent ventricular fibrillation during advanced life support care of patients with prehospital cardiac arrest. <i>Resuscitation</i> , 2008 , 78, 252-7	4	69
32	Association Between Chest Compression Interruptions and Clinical Outcomes of Ventricular Fibrillation Out-of-Hospital Cardiac Arrest. <i>Circulation</i> , 2015 , 132, 1030-7	16.7	53
31	Defibrillation threshold and cardiac responses using an external biphasic defibrillator with pediatric and adult adhesive patches in pediatric-sized piglets. <i>Resuscitation</i> , 2002 , 55, 177-85	4	53
30	Locally propagated activation immediately after internal defibrillation. <i>Circulation</i> , 1998 , 97, 1401-10	16.7	52
29	A randomized trial comparing monophasic and biphasic waveform shocks for external cardioversion of atrial fibrillation. <i>American Heart Journal</i> , 2004 , 147, e20	4.9	50
28	Epicardial sock mapping following monophasic and biphasic shocks of equal voltage with an endocardial lead system. <i>Journal of Cardiovascular Electrophysiology</i> , 1996 , 7, 322-34	2.7	44
27	Effect of rapid pacing and T-wave scanning on the relation between the defibrillation and upper-limit-of-vulnerability dose-response curves. <i>Circulation</i> , 1995 , 92, 1291-9	16.7	38
26	Fibrillation is more complex in the left ventricle than in the right ventricle. <i>Journal of Cardiovascular Electrophysiology</i> , 2000 , 11, 1364-71	2.7	35
25	Comparison of six clinically used external defibrillators in swine. <i>Resuscitation</i> , 2003 , 57, 73-83	4	33
24	Is the second phase of a biphasic defibrillation waveform the defibrillating phase?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1993 , 16, 1401-11	1.6	31
23	A quality improvement initiative to optimize use of a mechanical chest compression device within a high-performance CPR approach to out-of-hospital cardiac arrest resuscitation. <i>Resuscitation</i> , 2015 , 92, 32-7	4	26
22	Defibrillation probability and impedance change between shocks during resuscitation from out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2009 , 80, 773-7	4	26
21	Marked reduction of ventricular defibrillation threshold by application of an auxiliary shock to a catheter electrode in the left posterior coronary vein of dogs. <i>Journal of Cardiovascular Electrophysiology</i> , 2000 , 11, 900-6	2.7	22

20	Influence of malpositioned transvenous leads on defibrillation efficacy with and without a subcutaneous array electrode. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1995 , 18, 2008-16	1.6	21
19	Effect of electrode polarity on internal defibrillation with monophasic and biphasic waveforms using an endocardial lead system. <i>Journal of Cardiovascular Electrophysiology</i> , 1997 , 8, 161-71	2.7	20
18	Attenuating the defibrillation dosage decreases postresuscitation myocardial dysfunction in a swine model of pediatric ventricular fibrillation. <i>Pediatric Critical Care Medicine</i> , 2008 , 9, 429-34	3	20
17	Definition of successful defibrillation. <i>Critical Care Medicine</i> , 2006 , 34, S423-6	1.4	18
16	EFFICACY OF LOWER-ENERGY BIPHASIC SHOCKS FOR TRANSTHORACIC DEFIBRILLATION: A FOLLOW-UP CLINICAL STUDY. <i>Prehospital Emergency Care</i> , 2004 , 8, 262-267	2.8	15
15	A percutaneous catheter-based system for the measurement of potential gradients applicable to the study of transthoracic defibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2007 , 30, 166-74	1.6	14
14	Evaluation of Physiologic Alterations during Prehospital Paramedic-Performed Rapid Sequence Intubation. <i>Prehospital Emergency Care</i> , 2018 , 22, 300-311	2.8	12
13	Effect of timing and duration of a single chest compression pause on short-term survival following prolonged ventricular fibrillation. <i>Resuscitation</i> , 2009 , 80, 458-62	4	11
12	Influence of epicardial patches on defibrillation threshold with nonthoracotomy lead configurations. <i>Circulation</i> , 1995 , 92, 3082-8	16.7	11
11	Increasing home-based dialysis therapies to tackle dialysis burden around the world: A position statement on dialysis economics from the 2nd Congress of the International Society for Hemodialysis. <i>Hemodialysis International</i> , 2011 , 15, 10-4	1.7	9
10	Critically timed auxiliary shock to weak field area lowers defibrillation threshold. <i>Journal of Cardiovascular Electrophysiology</i> , 2001 , 12, 556-62	2.7	9
9	Efficacy of lower-energy biphasic shocks for transthoracic defibrillation: a follow-up clinical study. <i>Prehospital Emergency Care</i> , 2004 , 8, 262-7	2.8	6
8	Intracardiac Voltage Gradients during Transthoracic Defibrillation: Implications for Postshock Myocardial Injury. <i>Academic Emergency Medicine</i> , 2005 , 12, 99-105	3.4	6
7	Intracardiac voltage gradients during transthoracic defibrillation: implications for postshock myocardial injury. <i>Academic Emergency Medicine</i> , 2005 , 12, 99-105	3.4	6
6	Response to Jones et al. letter re:Defibrillation Waveform Comparison from Walker RG, Melnick SB, Chapman FW, Walcott GP, Schmitt PW, Ideker RE. <i>Resuscitation</i> , 2003 , 59, 367-371	4	3
5	A Model of Ischemically Induced Ventricular Fibrillation for Comparison of Fixed-dose and Escalating-dose Defibrillation Strategies. <i>Academic Emergency Medicine</i> , 2004 , 11, 619-624	3.4	3
4	Optimizing Physiology During Prehospital Airway Management: An NAEMSP Position Statement and Resource Document.. <i>Prehospital Emergency Care</i> , 2022 , 26, 72-79	2.8	1
3	Cerebral Oximetry during Out-of-Hospital Resuscitation: Pilot Study of First Responder Implementation. <i>Prehospital Emergency Care</i> , 2021 , 1-5	2.8	0

2 Reply to: Defibrillator type is an important confounding variable in resuscitation research. *Resuscitation*, **2009**, 80, 1440-1441 4

1 Reply to Letter: The guidelines got it right on defibrillation energy protocol. *Resuscitation*, **2009**, 80, 1438-1440