Min-Shan Tsai

List of Publications by Citations

108 papers	2,012 citations	21 h-index	42 g-index
117 ext. papers	2,295 ext. citations	3.6 avg, IF	4.24 L-index

#	Paper	IF	Citations
108	Infections in the survivors of out-of-hospital cardiac arrest in the first 7 days. *Intensive Care Medicine*, **2005**, 31, 621-6	14.5	646
107	The effect of hyperoxia on survival following adult cardiac arrest: a systematic review and meta-analysis of observational studies. *Resuscitation*, **2014**, 85, 1142-8	4	116
106	Postresuscitation myocardial dysfunction: correlated factors and prognostic implications. *Intensive Care Medicine*, **2007**, 33, 88-95	14.5	99
105	Better adherence to the guidelines during cardiopulmonary resuscitation through the provision of audio-prompts. *Resuscitation*, **2005**, 64, 297-301	4	68
104	Rapid head cooling initiated coincident with cardiopulmonary resuscitation improves success of defibrillation and post-resuscitation myocardial function in a porcine model of prolonged cardiac arrest. *Journal of the American College of Cardiology*, **2008**, 51, 1988-90	15.1	67
103	The effect of hydrocortisone on the outcome of out-of-hospital cardiac arrest patients: a pilot study. *American Journal of Emergency Medicine*, **2007**, 25, 318-25	2.9	59
102	Cardioprotective effect of therapeutic hypothermia for postresuscitation myocardial dysfunction. *Shock*, **2009**, 32, 210-6	3.4	46
101	Intra-arrest selective brain cooling improves success of resuscitation in a porcine model of prolonged cardiac arrest. *Resuscitation*, **2010**, 81, 617-21	4	34
100	Ascorbic acid mitigates the myocardial injury after cardiac arrest and electrical shock. *Intensive Care Medicine*, **2011**, 37, 2033-40	14.5	33
99	Effects of pre-arrest comorbidities on 90-day survival of patients resuscitated from out-of-hospital cardiac arrest. *Emergency Medicine Journal*, **2011**, 28, 432-6	1.5	33
98	Activation of mitochondrial STAT-3 and reduced mitochondria damage during hypothermia treatment for post-cardiac arrest myocardial dysfunction. *Basic Research in Cardiology*, **2015**, 110, 59	11.8	29
97	Circulating cell-free DNA levels correlate with postresuscitation survival rates in out-of-hospital cardiac arrest patients. *Resuscitation*, **2012**, 83, 213-8	4	28
96	Acute cardiac dysfunction after short-term diesel exhaust particles exposure. *Toxicology Letters*, **2010**, 192, 349-55	4.4	27
95	Association between early arterial blood gas tensions and neurological outcome in adult patients following in-hospital cardiac arrest. *Resuscitation*, **2015**, 89, 1-7	4	26
94	Intra-arrest rapid head cooling improves postresuscitation myocardial function in comparison with delayed postresuscitation surface cooling. *Critical Care Medicine*, **2008**, 36, S434-9	1.4	26
93	Free radicals mediate postshock contractile impairment in cardiomyocytes. *Critical Care Medicine*, **2008**, 36, 3213-9	1.4	26
92	Erythropoietin improves the postresuscitation myocardial dysfunction and survival in the asphyxia-induced cardiac arrest model. *Shock*, **2007**, 28, 53-8	3.4	26

91	Post-cardiac arrest myocardial dysfunction is improved with cyclosporine treatment at onset of resuscitation but not in the reperfusion phase. *Resuscitation*, **2011**, 82 Suppl 2, S41-7	4	24
90	The effects of calcium and sodium bicarbonate on severe hyperkalaemia during cardiopulmonary resuscitation: A retrospective cohort study of adult in-hospital cardiac arrest. *Resuscitation*, **2016**, 98, 105-11	4	23
89	Monitoring of serum lactate level during cardiopulmonary resuscitation in adult in-hospital cardiac arrest. *Critical Care*, **2015**, 19, 344	10.8	22
88	The difference in myocardial injuries and mitochondrial damages between asphyxial and ventricular fibrillation cardiac arrests. *American Journal of Emergency Medicine*, **2012**, 30, 1540-8	2.9	22
87	Antiapoptotic cardioprotective effect of hypothermia treatment against oxidative stress injuries. *Academic Emergency Medicine*, **2009**, 16, 872-80	3.4	20
86	The association between timing of tracheal intubation and outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. *Resuscitation*, **2016**, 105, 59-65	4	19
85	Combination of intravenous ascorbic acid administration and hypothermia after resuscitation improves myocardial function and survival in a ventricular fibrillation cardiac arrest model in the rat. *Academic Emergency Medicine*, **2014**, 21, 257-65	3.4	18
84	Therapeutic Hypothermia and the Risk of Hemorrhage: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Medicine (United States)*, **2015**, 94, e2152	1.8	18
83	Association of hemodynamic variables with in-hospital mortality and favorable neurological outcomes in post-cardiac arrest care with targeted temperature management. *Resuscitation*, **2017**, 120, 146-152	4	18
82	Active compression-decompression resuscitation and impedance threshold device for out-of-hospital cardiac arrest: a systematic review and metaanalysis of randomized controlled trials. *Critical Care Medicine*, **2015**, 43, 889-96	1.4	17
81	Who survives cardiac arrest in the intensive care units?. *Journal of Critical Care*, **2009**, 24, 408-14	4	17
80	Predicting the outcomes for out-of-hospital cardiac arrest patients using multiple biomarkers and suspension microarray assays. *Scientific Reports*, **2016**, 6, 27187	4.9	17
79	Glucocorticoid use during cardiopulmonary resuscitation may be beneficial for cardiac arrest. *International Journal of Cardiology*, **2016**, 222, 629-635	3.2	16
78	Associations among gender, marital status, and outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. *Resuscitation*, **2016**, 107, 1-6	4	15
77	Hypothermia treatment preserves mitochondrial integrity and viability of cardiomyocytes after ischaemic reperfusion injury. *Injury*, **2015**, 46, 233-9	2.5	15
76	Initial end-tidal CO partial pressure predicts outcomes of in-hospital cardiac arrest. *American Journal of Emergency Medicine*, **2016**, 34, 2367-2371	2.9	15
75	Postarrest Steroid Use May Improve Outcomes of Cardiac Arrest Survivors. *Critical Care Medicine*, **2019**, 47, 167-175	1.4	15
74	Images in cardiovascular medicine. Therapeutic hypothermia-related torsade de pointes. *Circulation* , **2006**, 114, e521-2	16.7	13

73	Acute pericarditis: a rare complication of GravesTthyrotoxicosis?. *American Journal of Emergency Medicine*, **2006**, 24, 374-5	2.9	13
72	Validation of the Cardiac Arrest Survival Postresuscitation In-hospital (CASPRI) score in an East Asian population. *PLoS ONE*, **2018**, 13, e0202938	3.7	12
71	Cardiac ultrasound helps for differentiating the causes of acute dyspnea with available B-type natriuretic peptide tests. *American Journal of Emergency Medicine*, **2010**, 28, 987-93	2.9	12
70	Cardioprotective effects of erythropoietin on postresuscitation myocardial dysfunction in appropriate therapeutic windows. *Critical Care Medicine*, **2008**, 36, S467-73	1.4	12
69	Gastric distension: a risk factor of pneumoperitoneum during cardiopulmonary resuscitation. *American Journal of Emergency Medicine*, **2006**, 24, 878-9	2.9	12
68	Prognostic performance of simplified out-of-hospital cardiac arrest (OHCA) and cardiac arrest hospital prognosis (CAHP) scores in an East Asian population: A prospective cohort study. *Resuscitation*, **2019**, 137, 133-139	4	11
67	Associations between body size and outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. *Resuscitation*, **2018**, 130, 67-72	4	11
66	Biphasic versus monophasic defibrillation in out-of-hospital cardiac arrest: a systematic review and meta-analysis. *American Journal of Emergency Medicine*, **2013**, 31, 1472-8	2.9	11
65	Associations between blood glucose level and outcomes of adult in-hospital cardiac arrest: a retrospective cohort study. *Cardiovascular Diabetology*, **2016**, 15, 118	8.7	10
64	Fight COVID-19 Beyond the Borders: Emergency Department Patient Diversion in Taiwan. *Annals of Emergency Medicine*, **2020**, 75, 785-787	2.1	9
63	Neuroprognostic accuracy of blood biomarkers for post-cardiac arrest patients: A systematic review and meta-analysis. *Resuscitation*, **2020**, 148, 108-117	4	9
62	Individual effect of components of defibrillation waveform on the contractile function and intracellular calcium dynamics of cardiomyocytes. *Critical Care Medicine*, **2009**, 37, 2394-401	1.4	9
61	Postresuscitation accelerated idioventricular rhythm: a potential prognostic factor for out-of-hospital cardiac arrest survivors. *Intensive Care Medicine*, **2007**, 33, 1628-32	14.5	9
60	Association between hemoglobin levels and clinical outcomes in adult patients after in-hospital cardiac arrest: a retrospective cohort study. *Internal and Emergency Medicine*, **2016**, 11, 727-36	3.7	8
59	Stenosis and revascularization of the coronary artery are associated with outcomes in presumed cardiogenic arrest survivors: A multi-center retrospective cohort study. *Resuscitation*, **2019**, 137, 52-60	4	7
58	Comparing Effectiveness of Initial Airway Interventions for Out-of-Hospital Cardiac Arrest: A Systematic Review and Network Meta-analysis of Clinical Controlled Trials. *Annals of Emergency Medicine*, **2020**, 75, 627-636	2.1	7
57	Optimal blood pressure for favorable neurological outcome in adult patients following in-hospital cardiac arrest. *International Journal of Cardiology*, **2015**, 195, 66-72	3.2	7
56	Urocortin Treatment Improves Acute Hemodynamic Instability and Reduces Myocardial Damage in Post-Cardiac Arrest Myocardial Dysfunction. *PLoS ONE*, **2016**, 11, e0166324	3.7	7

55	Optimal Arterial Blood Oxygen Tension in the Early Postresuscitation Phase of Extracorporeal Cardiopulmonary Resuscitation: A 15-Year Retrospective Observational Study. *Critical Care Medicine*, **2019**, 47, 1549-1556	1.4	7
54	Associations between Central Obesity and Outcomes of Adult In-hospital Cardiac Arrest: A Retrospective Cohort Study. *Scientific Reports*, **2020**, 10, 4604	4.9	6
53	Coronary blood flow produced by muscle contractions induced by intracardiac electrical CPR during ventricular fibrillation. *PACE - Pacing and Clinical Electrophysiology*, **2009**, 32 Suppl 1, S223-7	1.6	6
52	Post-cardiac arrest care and targeted temperature management: A consensus of scientific statement from the Taiwan Society of Emergency & Critical Care Medicine, Taiwan Society of Critical Care Medicine and Taiwan Society of Emergency Medicine. *Journal of the Formosan Medical Association*, **2021**, 120, 569-587	3.2	6
51	The association between long-term glycaemic control, glycaemic gap and neurological outcome of in-hospital cardiac arrest in diabetics: A retrospective cohort study. *Resuscitation*, **2018**, 133, 18-24	4	6
50	The influences of adrenaline dosing frequency and dosage on outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. *Resuscitation*, **2016**, 103, 125-130	4	5
49	Outcomes of adults with in-hospital cardiac arrest after implementation of the 2010 resuscitation guidelines. *International Journal of Cardiology*, **2017**, 249, 214-219	3.2	5
48	Acute hospital administration of amiodarone and/or lidocaine in shockable patients presenting with out-of-hospital cardiac arrest: A nationwide cohort study. *International Journal of Cardiology*, **2017**, 227, 292-298	3.2	5
47	Subarachnoid hemorrhage in survivors of out-of-hospital cardiac arrest: true or not?. *American Journal of Emergency Medicine*, **2006**, 24, 123-5	2.9	5
46	Outcomes of Adult In-Hospital Cardiac Arrest Treated with Targeted Temperature Management: A Retrospective Cohort Study. *PLoS ONE*, **2016**, 11, e0166148	3.7	5
45	Prolonged cooling duration mitigates myocardial and cerebral damage in cardiac arrest. *American Journal of Emergency Medicine*, **2015**, 33, 1374-81	2.9	4
44	Synergistic Effects of Moderate Therapeutic Hypothermia and Levosimendan on Cardiac Function and Survival After Asphyxia-Induced Cardiac Arrest in Rats. *Journal of the American Heart Association*, **2020**, 9, e016139	6	4
43	Occult spontaneous pneumomediastinum. *American Journal of Emergency Medicine*, **2005**, 23, 410-1	2.9	4
42	Associations between intra-arrest blood glucose level and outcomes of adult in-hospital cardiac arrest: A 10-year retrospective cohort study. *Resuscitation*, **2020**, 146, 103-110	4	4
41	Factors affecting outcomes in patients with cardiac arrest who receive target temperature management: The multi-center TIMECARD registry. *Journal of the Formosan Medical Association*, **2021**, 121, 294-294	3.2	4
40	Associations between early intra-arrest blood acidaemia and outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. *Journal of the Formosan Medical Association*, **2020**, 119, 644-651	3.2	4
39	Factors associated with the decision to terminate resuscitation early for adult in-hospital cardiac arrest: Influence of family in an East Asian society. *PLoS ONE*, **2019**, 14, e0213168	3.7	3
38	Relationship Between Statin Use and Outcomes in Patients Having Cardiac Arrest (from a Nationwide Cohort Study in Taiwan). *American Journal of Cardiology*, **2019**, 123, 1572-1579	3	3

37	Cerebral Blood Flow-Guided Manipulation of Arterial Blood Pressure Attenuates Hippocampal Apoptosis After Asphyxia-Induced Cardiac Arrest in Rats. *Journal of the American Heart Association*, **2020**, 9, e016513	6	3
36	Improvement of consciousness before initiating targeted temperature management. *Resuscitation*, **2020**, 148, 83-89	4	3
35	Cardiac involvement in malignancies. Case 1. Favorable outcome of a patient with cardiac invasion from non-small-cell lung carcinoma. *Journal of Clinical Oncology*, **2004**, 22, 2740-2	2.2	3
34	Obese cardiogenic arrest survivors with significant coronary artery disease had worse in-hospital mortality and neurological outcomes. *Scientific Reports*, **2020**, 10, 18638	4.9	3
33	Outcomes associated with amiodarone and lidocaine for the treatment of adult in-hospital cardiac arrest with shock-refractory pulseless ventricular tachyarrhythmia. *Journal of the Formosan Medical Association*, **2020**, 119, 327-334	3.2	3
32	Prognostic relevance of plasma heart-type fatty acid binding protein after out-of-hospital cardiac arrest. *Clinica Chimica Acta*, **2014**, 435, 7-13	6.2	2
31	The Use of Gray-White-Matter Ratios May Help Predict Survival and Neurological Outcomes in Patients Resuscitated From Out-of-Hospital Cardiac Arrest. *Journal of Acute Medicine*, **2020**, 10, 77-89	0.4	2
30	Resuscitation teamwork during the COVID-19 pandemic in the emergency department: Challenges and solutions. *Resuscitation*, **2021**, 160, 18-19	4	2
29	Post-Cardiac Arrest Hydrocortisone Use Ameliorates Cardiac Mitochondrial Injury in a Male Rat Model of Ventricular Fibrillation Cardiac Arrest. *Journal of the American Heart Association*, **2021**, 10, e019837	6	2
28	Obesity is associated with poor prognosis in cardiogenic arrest survivors receiving coronary angiography. *Journal of the Formosan Medical Association*, **2020**, 119, 861-868	3.2	2
27	Targeted temperature management and emergent coronary angiography are associated with improved outcomes in patients with prehospital return of spontaneous circulation. *Journal of the Formosan Medical Association*, **2020**, 119, 1259-1266	3.2	1
26	Modulating effects of immediate neuroprognosis on early coronary angiography and targeted temperature management following out-of-hospital cardiac arrest: A retrospective cohort study. *Resuscitation*, **2019**, 143, 42-49	4	1
25	Do we need to wait longer for cardiac arrest survivor to wake up in hypothermia era?. *American Journal of Emergency Medicine*, **2013**, 31, 888.e5-6	2.9	1
24	Cor Triatriatum in an Adult with Late Presentation of Symptoms. *Journal of Medical Ultrasound*, **2013**, 21, 156-158	0.8	1
23	Diuretic or Beta-Blocker for Hypertensive Patients Already Receiving ACEI/ARB and Calcium Channel Blocker. *Cardiovascular Drugs and Therapy*, **2017**, 31, 535-543	3.9	1
22	Tuberculosis mycobacterium sepsis as a rare cause of out-of-hospital cardiac arrest. *American Journal of Emergency Medicine*, **2006**, 24, 755-6	2.9	1
21	Outcomes of Targeted Temperature Management for In-Hospital and Out-Of-Hospital Cardiac Arrest: A Matched Case-Control Study Using the National Database of Taiwan Network of Targeted Temperature Management for Cardiac Arrest (TIMECARD) Registry. *Medical Science Monitor*, **2021**, 27, e931203	3.2	1
20	Neuroprognostic Accuracy of Quantitative Versus Standard Pupillary Light Reflex for Adult Postcardiac Arrest Patients: A Systematic Review and Meta-Analysis. *Critical Care Medicine*, **2021**, 49, 1790-1799	1.4	1

19	The CSP (Cardiogenic Shock Prognosis) Score: A Tool for Risk Stratification of Cardiogenic Shock.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 842056	5.4	1
18	Metabolomic profiling for outcome prediction in emergency department patients with out-of-hospital cardiac arrest. *Resuscitation*, **2018**, 123, e1-e2	4	0
17	Exercise-induced Acute Mitral Valve Chordae Rupture. *Journal of Medical Ultrasound*, **2013**, 21, 159-162	0.8	0
16	A retrospective study on the therapeutic effects of sodium bicarbonate for adult in-hospital cardiac arrest. *Scientific Reports*, **2021**, 11, 12380	4.9	0
15	Associations of thoracic cage size and configuration with outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. *Journal of the Formosan Medical Association*, **2021**, 120, 371-379	3.2	0
14	Prior beta-blocker treatment improves outcomes in out-of-hospital cardiac arrest patients with non-shockable rhythms. *Scientific Reports*, **2021**, 11, 16804	4.9	0
13	Data for outcomes of acute hospital administration of amiodarone and/or lidocaine in shockable patients presenting with out-of-hospital cardiac arrest. *Data in Brief*, **2017**, 10, 57-62	1.2	
12	Intravenous ascorbic acid administration following ROSC, with and without hypothermia, both improved myocardial dysfunction and survival in cardiac arrest of ventricular fibrillation. *Resuscitation*, **2012**, 83, e77	4	
11	Cyclosporine has no additive protective effect on outcomes of asphyxia-induced cardiac arrest under hypothermia therapy. *Resuscitation*, **2012**, 83, e76-e77	4	
10	Free radicals mediate postshock contractile impairment in cardiomyocytes：translating experimental studies into clinical practice. *Critical Care Medicine*, **2009**, 37, 1831	1.4	
9	Frequency Variation of Ventricular Fibrillation May Help Predict Successful Defibrillation in a Rat Model of Cardiac Arrest. *Journal of Acute Medicine*, **2019**, 9, 49-58	0.4	
8	Predicting Ventricular Defibrillation Results Using Learning Models: A Design Practice and Performance Analysis. *IEEE Open Journal of Circuits and Systems*, **2021**, 2, 686-699	1.7	
7	Blood gas phenotyping and tracheal intubation timing in adult in-hospital cardiac arrest: a retrospective cohort study. *Scientific Reports*, **2021**, 11, 10480	4.9	
6	QRS duration predicts outcomes in cardiac arrest survivors undergoing therapeutic hypothermia. *American Journal of Emergency Medicine*, **2021**, 50, 707-712	2.9	
5	Omecamtiv mecarbil treatment improves post-resuscitation cardiac function and neurological outcome in a rat model.. *PLoS ONE*, **2022**, 17, e0264165	3.7	
4	A 57-Year-Old Woman With Fever, Urinary Frequency, and Shock.. *Chest*, **2022**, 161, e191-e193	5.3	
3	Impact of protocolized postarrest care with targeted temperature management on the outcomes of cardiac arrest survivors without temperature management.. *Annals of Medicine*, **2022**, 54, 63-70	1.5	
2	A Study on the Outcome of Targeted Temperature Management Comparing Cardiac Arrest Patients Who Received Bystander Cardiopulmonary Resuscitation With Those Who Did Not, Using the Nationwide TIMECARD Multicenter Registry.. *Frontiers in Medicine*, **2022**, 9, 779781	4.9	

1 Multivessel versus Culprit-Only Revascularization Strategies in Cardiac Arrest Survivors.. *Acta Cardiologica Sinica*, **2022**, 38, 175-186 1.1