

# Min-Shan Tsai

## List of Publications by Year in descending order

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Version: 2024-02-01

114  
papers

2,517  
citations

279487

23  
h-index

214527

47  
g-index

117  
all docs

117  
docs citations

117  
times ranked

2378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Infections in the survivors of out-of-hospital cardiac arrest in the first 7 days. <i>Intensive Care Medicine</i> , 2005, 31, 621-626.	3.9	661
2	The effect of hyperoxia on survival following adult cardiac arrest: A systematic review and meta-analysis of observational studies. <i>Resuscitation</i> , 2014, 85, 1142-1148.	1.3	156
3	Postresuscitation myocardial dysfunction: correlated factors and prognostic implications. <i>Intensive Care Medicine</i> , 2007, 33, 88-95.	3.9	125
4	Better adherence to the guidelines during cardiopulmonary resuscitation through the provision of audio-prompts. <i>Resuscitation</i> , 2005, 64, 297-301.	1.3	74
5	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. <i>Journal of the American College of Cardiology</i> , 2008, 51, 1988-1990.	1.2	74
6	The effect of hydrocortisone on the outcome of out-of-hospital cardiac arrest patients: a pilot study. <i>American Journal of Emergency Medicine</i> , 2007, 25, 318-325.	0.7	73
7	CARDIOPROTECTIVE EFFECT OF THERAPEUTIC HYPOTHERMIA FOR POSTRESUSCITATION MYOCARDIAL DYSFUNCTION. <i>Shock</i> , 2009, 32, 210-216.	1.0	48
8	Ascorbic acid mitigates the myocardial injury after cardiac arrest and electrical shock. <i>Intensive Care Medicine</i> , 2011, 37, 2033-2040.	3.9	43
9	Intra-arrest selective brain cooling improves success of resuscitation in a porcine model of prolonged cardiac arrest. <i>Resuscitation</i> , 2010, 81, 617-621.	1.3	42
10	Effects of pre-arrest comorbidities on 90-day survival of patients resuscitated from out-of-hospital cardiac arrest. <i>Emergency Medicine Journal</i> , 2011, 28, 432-436.	0.4	38
11	Activation of mitochondrial STAT-3 and reduced mitochondria damage during hypothermia treatment for post-cardiac arrest myocardial dysfunction. <i>Basic Research in Cardiology</i> , 2015, 110, 59.	2.5	34
12	Association of hemodynamic variables with in-hospital mortality and favorable neurological outcomes in post-cardiac arrest care with targeted temperature management. <i>Resuscitation</i> , 2017, 120, 146-152.	1.3	34
13	Acute cardiac dysfunction after short-term diesel exhaust particles exposure. <i>Toxicology Letters</i> , 2010, 192, 349-355.	0.4	33
14	Monitoring of serum lactate level during cardiopulmonary resuscitation in adult in-hospital cardiac arrest. <i>Critical Care</i> , 2015, 19, 344.	2.5	33
15	The effects of calcium and sodium bicarbonate on severe hyperkalemia during cardiopulmonary resuscitation: A retrospective cohort study of adult in-hospital cardiac arrest. <i>Resuscitation</i> , 2016, 98, 105-111.	1.3	33
16	Association between early arterial blood gas tensions and neurological outcome in adult patients following in-hospital cardiac arrest. <i>Resuscitation</i> , 2015, 89, 1-7.	1.3	31
17	Circulating cell-free DNA levels correlate with postresuscitation survival rates in out-of-hospital cardiac arrest patients. <i>Resuscitation</i> , 2012, 83, 213-218.	1.3	29
18	ERYTHROPOIETIN IMPROVES THE POSTRESUSCITATION MYOCARDIAL DYSFUNCTION AND SURVIVAL IN THE ASPHYXIA-INDUCED CARDIAC ARREST MODEL. <i>Shock</i> , 2007, 28, 53-58.	1.0	28

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19	Intra-arrest rapid head cooling improves postresuscitation myocardial function in comparison with delayed postresuscitation surface cooling. <i>Critical Care Medicine</i> , 2008, 36, S434-S439.	0.4	28
20	Free radicals mediate postshock contractile impairment in cardiomyocytes*. <i>Critical Care Medicine</i> , 2008, 36, 3213-3219.	0.4	28
21	Post-cardiac arrest myocardial dysfunction is improved with cyclosporine treatment at onset of resuscitation but not in the reperfusion phase. <i>Resuscitation</i> , 2011, 82, S41-S47.	1.3	28
22	The difference in myocardial injuries and mitochondrial damages between asphyxial and ventricular fibrillation cardiac arrests. <i>American Journal of Emergency Medicine</i> , 2012, 30, 1540-1548.	0.7	26
23	The association between timing of tracheal intubation and outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. <i>Resuscitation</i> , 2016, 105, 59-65.	1.3	26
24	Optimal Arterial Blood Oxygen Tension in the Early Postresuscitation Phase of Extracorporeal Cardiopulmonary Resuscitation: A 15-Year Retrospective Observational Study*. <i>Critical Care Medicine</i> , 2019, 47, 1549-1556.	0.4	26
25	Who survives cardiac arrest in the intensive care units?. <i>Journal of Critical Care</i> , 2009, 24, 408-414.	1.0	24
26	Antiapoptotic Cardioprotective Effect of Hypothermia Treatment Against Oxidative Stress Injuries. <i>Academic Emergency Medicine</i> , 2009, 16, 872-880.	0.8	24
27	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. <i>Academic Emergency Medicine</i> , 2014, 21, 257-265.	0.8	24
28	Therapeutic Hypothermia and the Risk of Hemorrhage. <i>Medicine (United States)</i> , 2015, 94, e2152.	0.4	24
29	Active Compression-Decompression Resuscitation and Impedance Threshold Device for Out-of-Hospital Cardiac Arrest. <i>Critical Care Medicine</i> , 2015, 43, 889-896.	0.4	24
30	Postarrest Steroid Use May Improve Outcomes of Cardiac Arrest Survivors. <i>Critical Care Medicine</i> , 2019, 47, 167-175.	0.4	23
31	Neuroprognostic accuracy of blood biomarkers for post-cardiac arrest patients: A systematic review and meta-analysis. <i>Resuscitation</i> , 2020, 148, 108-117.	1.3	23
32	Comparing Effectiveness of Initial Airway Interventions for Out-of-Hospital Cardiac Arrest: A Systematic Review and Network Meta-analysis of Clinical Controlled Trials. <i>Annals of Emergency Medicine</i> , 2020, 75, 627-636.	0.3	23
33	Hypothermia treatment preserves mitochondrial integrity and viability of cardiomyocytes after ischaemic reperfusion injury. <i>Injury</i> , 2015, 46, 233-239.	0.7	21
34	Initial end-tidal CO2 partial pressure predicts outcomes of in-hospital cardiac arrest. <i>American Journal of Emergency Medicine</i> , 2016, 34, 2367-2371.	0.7	21
35	Glucocorticoid use during cardiopulmonary resuscitation may be beneficial for cardiac arrest. <i>International Journal of Cardiology</i> , 2016, 222, 629-635.	0.8	21
36	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. <i>Resuscitation</i> , 2019, 137, 133-139.	1.3	21

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37	Predicting the outcomes for out-of-hospital cardiac arrest patients using multiple biomarkers and suspension microarray assays. <i>Scientific Reports</i> , 2016, 6, 27187.	1.6	20
38	Cardiac ultrasound helps for differentiating the causes of acute dyspnea with available B-type natriuretic peptide tests. <i>American Journal of Emergency Medicine</i> , 2010, 28, 987-993.	0.7	17
39	Associations among gender, marital status, and outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. <i>Resuscitation</i> , 2016, 107, 1-6.	1.3	17
40	Acute pericarditis: a rare complication of Graves' thyrotoxicosis?. <i>American Journal of Emergency Medicine</i> , 2006, 24, 374-375.	0.7	16
41	Associations between blood glucose level and outcomes of adult in-hospital cardiac arrest: a retrospective cohort study. <i>Cardiovascular Diabetology</i> , 2016, 15, 118.	2.7	16
42	Associations between body size and outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. <i>Resuscitation</i> , 2018, 130, 67-72.	1.3	16
43	Validation of the Cardiac Arrest Survival Postresuscitation In-hospital (CASPRI) score in an East Asian population. <i>PLoS ONE</i> , 2018, 13, e0202938.	1.1	16
44	Therapeutic Hypothermia-Related Torsade de Pointes. <i>Circulation</i> , 2006, 114, e521-2.	1.6	15
45	Cardioprotective effects of erythropoietin on postresuscitation myocardial dysfunction in appropriate therapeutic windows. <i>Critical Care Medicine</i> , 2008, 36, S467-S473.	0.4	15
46	Should We Prolong the Observation Period for Neurological Recovery After Cardiac Arrest?*. <i>Critical Care Medicine</i> , 2022, 50, 389-397.	0.4	14
47	Gastric distension: a risk factor of pneumoperitoneum during cardiopulmonary resuscitation. <i>American Journal of Emergency Medicine</i> , 2006, 24, 878-879.	0.7	13
48	Postresuscitation accelerated idioventricular rhythm: a potential prognostic factor for out-of-hospital cardiac arrest survivors. <i>Intensive Care Medicine</i> , 2007, 33, 1628-1632.	3.9	13
49	Association between hemoglobin levels and clinical outcomes in adult patients after in-hospital cardiac arrest: a retrospective cohort study. <i>Internal and Emergency Medicine</i> , 2016, 11, 727-736.	1.0	13
50	The influences of adrenaline dosing frequency and dosage on outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. <i>Resuscitation</i> , 2016, 103, 125-130.	1.3	12
51	Fight COVID-19 Beyond the Borders: Emergency Department Patient Diversion in Taiwan. <i>Annals of Emergency Medicine</i> , 2020, 75, 785-787.	0.3	12
52	Biphasic versus monophasic defibrillation in out-of-hospital cardiac arrest: a systematic review and meta-analysis. <i>American Journal of Emergency Medicine</i> , 2013, 31, 1472-1478.	0.7	11
53	Individual effect of components of defibrillation waveform on the contractile function and intracellular calcium dynamics of cardiomyocytes*. <i>Critical Care Medicine</i> , 2009, 37, 2394-2401.	0.4	10
54	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. <i>Journal of the Formosan Medical Association</i> , 2021, 120, 569-587.	0.8	10

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55	Factors affecting outcomes in patients with cardiac arrest who receive target temperature management: The multi-center TIMECARD registry. <i>Journal of the Formosan Medical Association</i> , 2022, 121, 294-303.	0.8	10
56	Post-Cardiac Arrest Hydrocortisone Use Ameliorates Cardiac Mitochondrial Injury in a Male Rat Model of Ventricular Fibrillation Cardiac Arrest. <i>Journal of the American Heart Association</i> , 2021, 10, e019837.	1.6	10
57	Outcomes of Adult In-Hospital Cardiac Arrest Treated with Targeted Temperature Management: A Retrospective Cohort Study. <i>PLoS ONE</i> , 2016, 11, e0166148.	1.1	10
58	Optimal blood pressure for favorable neurological outcome in adult patients following in-hospital cardiac arrest. <i>International Journal of Cardiology</i> , 2015, 195, 66-72.	0.8	9
59	Factors associated with the decision to terminate resuscitation early for adult in-hospital cardiac arrest: Influence of family in an East Asian society. <i>PLoS ONE</i> , 2019, 14, e0213168.	1.1	9
60	Stenosis and revascularization of the coronary artery are associated with outcomes in presumed cardiogenic arrest survivors: A multi-center retrospective cohort study. <i>Resuscitation</i> , 2019, 137, 52-60.	1.3	9
61	Associations between early intra-arrest blood acidemia and outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 644-651.	0.8	9
62	Obese cardiogenic arrest survivors with significant coronary artery disease had worse in-hospital mortality and neurological outcomes. <i>Scientific Reports</i> , 2020, 10, 18638.	1.6	9
63	Associations between Central Obesity and Outcomes of Adult In-hospital Cardiac Arrest: A Retrospective Cohort Study. <i>Scientific Reports</i> , 2020, 10, 4604.	1.6	9
64	Acute hospital administration of amiodarone and/or lidocaine in shockable patients presenting with out-of-hospital cardiac arrest: A nationwide cohort study. <i>International Journal of Cardiology</i> , 2017, 227, 292-298.	0.8	8
65	The association between long-term glycaemic control, glycaemic gap and neurological outcome of in-hospital cardiac arrest in diabetics: A retrospective cohort study. <i>Resuscitation</i> , 2018, 133, 18-24.	1.3	8
66	Associations between intra-arrest blood glucose level and outcomes of adult in-hospital cardiac arrest: A 10-year retrospective cohort study. <i>Resuscitation</i> , 2020, 146, 103-110.	1.3	8
67	Neuroprognostic Accuracy of Quantitative Versus Standard Pupillary Light Reflex for Adult Postcardiac Arrest Patients: A Systematic Review and Meta-Analysis*. <i>Critical Care Medicine</i> , 2021, 49, 1790-1799.	0.4	8
68	Urocortin Treatment Improves Acute Hemodynamic Instability and Reduces Myocardial Damage in Post-Cardiac Arrest Myocardial Dysfunction. <i>PLoS ONE</i> , 2016, 11, e0166324.	1.1	8
69	Coronary Blood Flow Produced by Muscle Contractions Induced by Intracardiac Electrical CPR during Ventricular Fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009, 32, S223-7.	0.5	7
70	Cerebral Blood Flow—Guided Manipulation of Arterial Blood Pressure Attenuates Hippocampal Apoptosis After Asphyxia-Induced Cardiac Arrest in Rats. <i>Journal of the American Heart Association</i> , 2020, 9, e016513.	1.6	7
71	Targeted temperature management and emergent coronary angiography are associated with improved outcomes in patients with prehospital return of spontaneous circulation. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 1259-1266.	0.8	7
72	Prolonged cooling duration mitigates myocardial and cerebral damage in cardiac arrest. <i>American Journal of Emergency Medicine</i> , 2015, 33, 1374-1381.	0.7	6

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73	Outcomes of adults with in-hospital cardiac arrest after implementation of the 2010 resuscitation guidelines. <i>International Journal of Cardiology</i> , 2017, 249, 214-219.	0.8	6
74	Resuscitation teamwork during the COVID-19 pandemic in the emergency department: Challenges and solutions. <i>Resuscitation</i> , 2021, 160, 18-19.	1.3	6
75	Subarachnoid hemorrhage in survivors of out-of-hospital cardiac arrest: true or not?. <i>American Journal of Emergency Medicine</i> , 2006, 24, 123-125.	0.7	5
76	Obesity is associated with poor prognosis in cardiogenic arrest survivors receiving coronary angiography. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 861-868.	0.8	5
77	Outcomes associated with amiodarone and lidocaine for the treatment of adult in-hospital cardiac arrest with shock-refractory pulseless ventricular tachyarrhythmia. <i>Journal of the Formosan Medical Association</i> , 2020, 119, 327-334.	0.8	5
78	Synergistic Effects of Moderate Therapeutic Hypothermia and Levosimendan on Cardiac Function and Survival After Asphyxia-Induced Cardiac Arrest in Rats. <i>Journal of the American Heart Association</i> , 2020, 9, e016139.	1.6	5
79	Occult spontaneous pneumomediastinum. <i>American Journal of Emergency Medicine</i> , 2005, 23, 410-411.	0.7	4
80	Relationship Between Statin Use and Outcomes in Patients Having Cardiac Arrest (from a Nationwide Tj ETQq0 0 0,rgBT /Overlock 10 T	0.7	4
81	Associations of thoracic cage size and configuration with outcomes of adult in-hospital cardiac arrest: A retrospective cohort study. <i>Journal of the Formosan Medical Association</i> , 2021, 120, 371-379.	0.8	4
82	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. <i>Medical Science Monitor</i> , 2021, 27, e931203.	0.5	4
83	Cardiac Involvement in Malignancies. <i>Journal of Clinical Oncology</i> , 2004, 22, 2740-2742.	0.8	3
84	Cor Triatriatum in an Adult with Late Presentation of Symptoms. <i>Journal of Medical Ultrasound</i> , 2013, 21, 156-158.	0.2	3
85	A Novel System and Statistical Analysis for Predicting Defibrillation Timing During Ventricular Fibrillation. , 2018, , .		3
86	Improvement of consciousness before initiating targeted temperature management. <i>Resuscitation</i> , 2020, 148, 83-89.	1.3	3
87	A retrospective study on the therapeutic effects of sodium bicarbonate for adult in-hospital cardiac arrest. <i>Scientific Reports</i> , 2021, 11, 12380.	1.6	3
88	Do we need to wait longer for cardiac arrest survivor to wake up in hypothermia era?. <i>American Journal of Emergency Medicine</i> , 2013, 31, 888.e5-888.e6.	0.7	2
89	Prognostic relevance of plasma heart-type fatty acid binding protein after out-of-hospital cardiac arrest. <i>Clinica Chimica Acta</i> , 2014, 435, 7-13.	0.5	2
90	Diuretic or Beta-Blocker for Hypertensive Patients Already Receiving ACEI/ARB and Calcium Channel Blocker. <i>Cardiovascular Drugs and Therapy</i> , 2017, 31, 535-543.	1.3	2

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91	Modulating effects of immediate neuroprognosis on early coronary angiography and targeted temperature management following out-of-hospital cardiac arrest: A retrospective cohort study. <i>Resuscitation</i> , 2019, 143, 42-49.	1.3	2
92	QRS duration predicts outcomes in cardiac arrest survivors undergoing therapeutic hypothermia. <i>American Journal of Emergency Medicine</i> , 2021, 50, 707-712.	0.7	2
93	The Use of Gray-White-Matter Ratios May Help Predict Survival and Neurological Outcomes in Patients Resuscitated From Out-of-Hospital Cardiac Arrest. <i>Journal of Acute Medicine</i> , 2020, 10, 77-89.	0.2	2
94	Impact of protocolized postarrest care with targeted temperature management on the outcomes of cardiac arrest survivors without temperature management. <i>Annals of Medicine</i> , 2022, 54, 63-70.	1.5	2
95	Tuberculosis mycobacterium sepsis as a rare cause of out-of-hospital cardiac arrest. <i>American Journal of Emergency Medicine</i> , 2006, 24, 755-756.	0.7	1
96	Exercise-induced Acute Mitral Valve Chordae Rupture. <i>Journal of Medical Ultrasound</i> , 2013, 21, 159-162.	0.2	1
97	Metabolomic profiling for outcome prediction in emergency department patients with out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2018, 123, e1-e2.	1.3	1
98	Prognostic factors for survival and neurological outcomes in patients with prehospital ROSC. <i>Resuscitation</i> , 2018, 130, e94-e95.	1.3	1
99	Predicting Defibrillation Outcome in Ventricular Fibrillation using ECG with Neural Network Algorithm. , 2019, , .		1
100	Blood gas phenotyping and tracheal intubation timing in adult in-hospital cardiac arrest: a retrospective cohort study. <i>Scientific Reports</i> , 2021, 11, 10480.	1.6	1
101	Prior beta-blocker treatment improves outcomes in out-of-hospital cardiac arrest patients with non-shockable rhythms. <i>Scientific Reports</i> , 2021, 11, 16804.	1.6	1
102	The CSP (Cardiogenic Shock Prognosis) Score: A Tool for Risk Stratification of Cardiogenic Shock. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 842056.	1.1	1
103	Multivessel versus Culprit-Only Revascularization Strategies in Cardiac Arrest Survivors.. <i>Acta Cardiologica Sinica</i> , 2022, 38, 175-186.	0.1	1
104	Free radicals mediate postshock contractile impairment in cardiomyocytesâ€”Translating experimental studies into clinical practice. <i>Critical Care Medicine</i> , 2009, 37, 1831.	0.4	0
105	Intravenous ascorbic acid administration following ROSC, with and without hypothermia, both improved myocardial dysfunction and survival in cardiac arrest of ventricular fibrillation. <i>Resuscitation</i> , 2012, 83, e77.	1.3	0
106	Cyclosporine has no additive protective effect on outcomes of asphyxia-induced cardiac arrest under hypothermia therapy. <i>Resuscitation</i> , 2012, 83, e76-e77.	1.3	0
107	Corrigendum to â€œOptimal blood pressure for favorable neurological outcome in adult patients following in-hospital cardiac arrestâ€•[ <i>Int. J. Cardiol.</i> 195 (2015) 66â€“72]. <i>International Journal of Cardiology</i> , 2016, 206, 175.	0.8	0
108	Data for outcomes of acute hospital administration of amiodarone and/or lidocaine in shockable patients presenting with out-of-hospital cardiac arrest. <i>Data in Brief</i> , 2017, 10, 57-62.	0.5	0

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109	Frequency Variation of Ventricular Fibrillation May Help Predict Successful Defibrillation in a Rat Model of Cardiac Arrest. <i>Journal of Acute Medicine</i> , 2019, 9, 49-58.	0.2	0
110	Predicting Ventricular Defibrillation Results Using Learning Models: A Design Practice and Performance Analysis. <i>IEEE Open Journal of Circuits and Systems</i> , 2021, 2, 686-699.	1.4	0
111	The Differences of CPR Duration Between Shockable and Non-shockable Rhythms in Predicting The Benefit of Target Temperature Management. <i>Shock</i> , 2022, Publish Ahead of Print, .	1.0	0
112	Omecamtiv mecarbil treatment improves post-resuscitation cardiac function and neurological outcome in a rat model. <i>PLoS ONE</i> , 2022, 17, e0264165.	1.1	0
113	A 57-Year-Old Woman With Fever, Urinary Frequency, and Shock. <i>Chest</i> , 2022, 161, e191-e193.	0.4	0
114	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. <i>Frontiers in Medicine</i> , 2022, 9, 779781.	1.2	0