# Ryan W Morgan

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 71 papers | 1,923 citations | 394390 19 h-index | 276858 41 g-index |
| 72 all docs | 72 docs citations | 72 times ranked | 1946 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Does supply meet demand? A comparison of perfusion strategies on cerebral metabolism in a neonatal swine model. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, e47-e58. | 0.8 | 8 |
| 2 | 2022 Interim Guidance to Health Care Providers for Basic and Advanced Cardiac Life Support in Adults, Children, and Neonates With Suspected or Confirmed COVID-19: From the Emergency Cardiovascular Care Committee and Get With The Guidelines-Resuscitation Adult and Pediatric Task Forces of the American Heart Association in Collaboration With the American Academy of Pediatrics, American Association for Respiratory Care, the Society of Critical Care Anesthesiologists, and American Society of Anesthesiologists. Circulation: Cardiovascular Quality and Outcomes, 2022, 15. | 2.2 | 16 |
| 3 | Effect of Physiologic Point-of-Care Cardiopulmonary Resuscitation Training on Survival With Favorable Neurologic Outcome in Cardiac Arrest in Pediatric ICUs. JAMA - Journal of the American Medical Association, 2022, 327, 934. | 7.4 | 26 |
| 4 | Transcriptome and metabolome after porcine hemodynamic-directed CPR compared with standard CPR and sham controls. Resuscitation Plus, 2022, 10, 100243. | 1.7 | 0 |
| 5 | Association of chest compression pause duration prior to E-CPR cannulation with cardiac arrest survival outcomes. Resuscitation, 2022, 177, 85-92. | 3.0 | 4 |
| 6 | Abandon Noninvasive Ventilation in Bronchiolitis? How Unrecognized Bias Can Lead to Problematic Conclusions. Critical Care Medicine, 2022, 50, e653-e654e. | 0.9 | 1 |
| 7 | Correlation of Non-Invasive Diffuse Optical Neuromonitoring And Systemic Predictors of Return of Spontaneous Circulation During Cardiopulmonary Resuscitation. , 2022, , . | | 0 |
| 8 | Low frequency power in cerebral blood flow is a biomarker of neurologic injury in the acute period after cardiac arrest. Resuscitation, 2022, 178, 12-18. | 3.0 | 4 |
| 9 | Non-invasive diffuse optical neuromonitoring during cardiopulmonary resuscitation predicts return of spontaneous circulation. Scientific Reports, 2021, 11, 3828. | 3.3 | 9 |
| 10 | MLWAVE: A novel algorithm to classify primary versus secondary asphyxia-associated ventricular fibrillation. Resuscitation Plus, 2021, 5, 100052. | 1.7 | 0 |
| 11 | Pediatric In-Hospital Cardiac Arrest and Cardiopulmonary Resuscitation in the United States. JAMA Pediatrics, 2021, 175, 293. | 6.2 | 38 |
| 12 | A randomized and blinded trial of inhaled nitric oxide in a piglet model of pediatric cardiopulmonary resuscitation. Resuscitation, 2021, 162, 274-283. | 3.0 | 8 |
| 13 | Haemodynamic-directed cardiopulmonary resuscitation promotes mitochondrial fusion and preservation of mitochondrial mass after successful resuscitation in a pediatric porcine model. Resuscitation Plus, 2021, 6, 100124. | 1.7 | 4 |
| 14 | Quantitative characterization of left ventricular function during pulseless electrical activity using echocardiography during out-of-hospital cardiac arrest. Resuscitation, 2021, 167, 233-241. | 3.0 | 9 |
| 15 | The Effect of Epinephrine Dosing Intervals on Outcomes from Pediatric In-Hospital Cardiac Arrest. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 977-985. | 5.6 | 12 |
| 16 | Skewed Cytokine Responses Rather Than the Magnitude of the Cytokine Storm May Drive Cardiac Dysfunction in Multisystem Inflammatory Syndrome in Children. Journal of the American Heart Association, 2021, 10, e021428. | 3.7 | 18 |
| 17 | Adrenaline effects on cerebral physiology during cardiac arrest: More to this story. Resuscitation, 2021, 168, 216-218. | 3.0 | 0 |
| 18 | Intracranial Pressure and Cerebral Hemodynamic Monitoring After Cardiac Arrest in Pediatric Pigs Using Contrast Ultrasoundâ€Derived Parameters. Journal of Ultrasound in Medicine, 2021, , . | 1.7 | 3 |

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|---|---|---|---|
| 19 | Deviations from NIRS-derived optimal blood pressure are associated with worse outcomes after pediatric cardiac arrest. Resuscitation, 2021, 168, 110-118. | 3.0 | 23 |
| 20 | Pulmonary hypertension among children with in-hospital cardiac arrest: A multicenter study. Resuscitation, 2021, 168, 52-57. | 3.0 | 4 |
| 21 | 2021 Interim Guidance to Health Care Providers for Basic and Advanced Cardiac Life Support in Adults, Children, and Neonates With Suspected or Confirmed COVID-19. Circulation: Cardiovascular Quality and Outcomes, 2021, 14, e008396. | 2.2 | 21 |
| 22 | In-hospital cardiac arrest characteristics, CPR quality, and outcomes in children with COVID-19. Resuscitation, 2021, 169, 39-40. | 3.0 | 4 |
| 23 | Pulse oximetry plethysmography: a new approach for physiology-directed CPR?. Resuscitation, 2021, , . | 3.0 | 1 |
| 24 | Increased cerebral mitochondrial dysfunction and reactive oxygen species with cardiopulmonary bypass. European Journal of Cardio-thoracic Surgery, 2021, 59, 1256-1264. | 1.4 | 7 |
| 25 | Prevalence and Outcomes of Pediatric In-Hospital Cardiac Arrest Associated With Pulmonary Hypertension*. Pediatric Critical Care Medicine, 2020, 21, 305-313. | 0.5 | 10 |
| 26 | Epinephrineâ€™s effects on cerebrovascular and systemic hemodynamics during cardiopulmonary resuscitation. Critical Care, 2020, 24, 583. | 5.8 | 33 |
| 27 | Pediatric Life Support: 2020 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. Circulation, 2020, 142, S140-S184. | 1.6 | 35 |
| 28 | Part 4: Pediatric Basic and Advanced Life Support: 2020 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. Circulation, 2020, 142, S469-S523. | 1.6 | 486 |
| 29 | Pediatric Life Support. Resuscitation, 2020, 156, A120-A155. | 3.0 | 40 |
| 30 | The neurologic impact of epinephrine during cardiac arrest: Much to learn. Resuscitation, 2020, 156, 263-264. | 3.0 | 2 |
| 31 | Pediatric Resuscitation Practices During the Coronavirus Disease 2019 Pandemic. Pediatric Critical Care Medicine, 2020, 21, e651-e660. | 0.5 | 12 |
| 32 | The physiologic response to rescue therapy with vasopressin versus epinephrine during experimental pediatric cardiac arrest. Resuscitation Plus, 2020, 4, 100050. | 1.7 | 7 |
| 33 | Interim Guidance for Basic and Advanced Life Support in Children and Neonates With Suspected or Confirmed COVID-19. Pediatrics, 2020, , e20201405. | 2.1 | 12 |
| 34 | Pediatric cardiopulmonary resuscitation quality during intra-hospital transport. Resuscitation, 2020, 152, 123-130. | 3.0 | 9 |
| 35 | The authors reply. Critical Care Medicine, 2020, 48, e160-e161. | 0.9 | 0 |
| 36 | Association between time of day and CPR quality as measured by CPR hemodynamics during pediatric in-hospital CPR. Resuscitation, 2020, 153, 209-216. | 3.0 | 4 |

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|---|---|---|---|
| 37 | Variability in chest compression rate calculations during pediatric cardiopulmonary resuscitation. Resuscitation, 2020, 149, 127-133. | 3.0 | 1 |
| 38 | Intraosseous adrenaline for adult out-of-hospital cardiac arrest: Faster access with worse outcomes. Resuscitation, 2020, 149, 238-239. | 3.0 | 1 |
| 39 | Deviations from AHA guidelines during pediatric cardiopulmonary resuscitation are associated with decreased event survival. Resuscitation, 2020, 149, 89-99. | 3.0 | 23 |
| 40 | Oxygen Exposure During Cardiopulmonary Resuscitation Is Associated With Cerebral Oxidative Injury in a Randomized, Blinded, Controlled, Preclinical Trial. Journal of the American Heart Association, 2020, 9, e015032. | 3.7 | 18 |
| 41 | The association between early impairment in cerebral autoregulation and outcome in a pediatric swine model of cardiac arrest. Resuscitation Plus, 2020, 4, 100051. | 1.7 | 9 |
| 42 | Survival and Hemodynamics During Pediatric Cardiopulmonary Resuscitation for Bradycardia and Poor Perfusion Versus Pulseless Cardiac Arrest. Critical Care Medicine, 2020, 48, 881-889. | 0.9 | 21 |
| 43 | Abstract 124: Chest Compression Pause Duration is Associated with Worse Survival Outcomes Following Pediatric In-hospital Cardiac Arrest. Circulation, 2020, 142, . | 1.6 | 1 |
| 44 | The association of immediate post cardiac arrest diastolic hypertension and survival following pediatric cardiac arrest. Resuscitation, 2019, 141, 88-95. | 3.0 | 15 |
| 45 | Hemodynamic effects of chest compression interruptions during pediatric in-hospital cardiopulmonary resuscitation. Resuscitation, 2019, 139, 1-8. | 3.0 | 18 |
| 46 | Hemodynamic-Directed Cardiopulmonary Resuscitation Improves Neurologic Outcomes and Mitochondrial Function in the Heart and Brain. Critical Care Medicine, 2019, 47, e241-e249. | 0.9 | 52 |
| 47 | Ventilation Rates and Pediatric In-Hospital Cardiac Arrest Survival Outcomes*. Critical Care Medicine, 2019, 47, 1627-1636. | 0.9 | 44 |
| 48 | Paediatric acute respiratory distress syndrome incidence and epidemiology (PARDIE): an international, observational study. Lancet Respiratory Medicine,the, 2019, 7, 115-128. | 10.7 | 267 |
| 49 | Physiology-directed cardiopulmonary resuscitation: advances in precision monitoring during cardiac arrest. Current Opinion in Critical Care, 2018, 24, 143-150. | 3.2 | 26 |
| 50 | Pediatric In-Hospital Cardiac Arrest Secondary to Acute Pulmonary Embolism. Critical Care Medicine, 2018, 46, e229-e234. | 0.9 | 12 |
| 51 | Cerebral mitochondrial dysfunction associated with deep hypothermic circulatory arrest in neonatal sweineâ€. European Journal of Cardio-thoracic Surgery, 2018, 54, 162-168. | 1.4 | 28 |
| 52 | Pulmonary Vasodilator Therapy in Shock-associated Cardiac Arrest. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 905-912. | 5.6 | 22 |
| 53 | Electroencephalographic Response to Deep Hypothermic Circulatory Arrest in Neonatal Swine and Humans. Annals of Thoracic Surgery, 2018, 106, 1841-1846. | 1.3 | 16 |
| 54 | Optimal arterial carbon dioxide tension following cardiac arrest: Let Goldilocks decide?. Resuscitation, 2017, 111, A1-A2. | 3.0 | 0 |

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|---|---|---|---|
| 55 | An Update on Cardiopulmonary Resuscitation in Children. Current Anesthesiology Reports, 2017, 7, 191-200. | 2.0 | 0 |
| 56 | Sepsis-associated in-hospital cardiac arrest: Epidemiology, pathophysiology, and potential therapies. Journal of Critical Care, 2017, 40, 128-135. | 2.2 | 52 |
| 57 | A hemodynamic-directed approach to pediatric cardiopulmonary resuscitation (HD-CPR) improves survival. Resuscitation, 2017, 111, 41-47. | 3.0 | 65 |
| 58 | Cardiopulmonary Resuscitation in Pediatric and Cardiac Intensive Care Units. Pediatric Clinics of North America, 2017, 64, 961-972. | 1.8 | 11 |
| 59 | Pediatric In-Hospital Cardiac Arrest and Cardiopulmonary Resuscitation. Current Pediatrics Reports, 2017, 5, 204-212. | 4.0 | 0 |
| 60 | The Future of Resuscitation. Pediatric Critical Care Medicine, 2017, 18, 1084-1086. | 0.5 | 3 |
| 61 | Response to letter to the editor: Sepsis-associated in-hospital cardiac arrest. Journal of Critical Care, 2017, 40, 291. | 2.2 | 0 |
| 62 | Classification of asphyxia & ventricular fibrillation induced cardiac arrest for cardiopulmonary resuscitation. , 2017, , . | | 0 |
| 63 | A quantitative comparison of physiologic indicators of cardiopulmonary resuscitation quality: Diastolic blood pressure versus end-tidal carbon dioxide. Resuscitation, 2016, 104, 6-11. | 3.0 | 49 |
| 64 | Quantitative analysis of duty cycle in pediatric and adolescent in-hospital cardiac arrest. Resuscitation, 2016, 106, 65-69. | 3.0 | 5 |
| 65 | A pragmatic checklist to identify pediatric ICU patients at risk for cardiac arrest or code bell activation. Resuscitation, 2016, 99, 33-37. | 3.0 | 19 |
| 66 | Cardiopulmonary resuscitation: Time for all of us to feel the pressure. Resuscitation, 2015, 96, A7-A8. | 3.0 | 0 |
| 67 | Persistently Altered Brain Mitochondrial Bioenergetics After Apparently Successful Resuscitation From Cardiac Arrest. Journal of the American Heart Association, 2015, 4, e002232. | 3.7 | 33 |
| 68 | Can gentle chest compressions result in substantial ventilation?. Resuscitation, 2015, 92, A2-A3. | 3.0 | 4 |
| 69 | Variability in the Implementation of Rapid Response Teams at Academic American Pediatric Hospitals. Journal of Pediatrics, 2013, 163, 1772-1774. | 1.8 | 20 |
| 70 | BdlA, a Chemotaxis Regulator Essential for Biofilm Dispersion in Pseudomonas aeruginosa. Journal of Bacteriology, 2006, 188, 7335-7343. | 2.2 | 215 |
| 71 | Guidance for Cardiopulmonary Resuscitation of Children With Suspected or Confirmed COVID-19. Pediatrics, 0, , . | 2.1 | 1 |