

Karen D Fairchild

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,287
citations

236925

25
h-index

223800

46
g-index

64
all docs

64
docs citations

64
times ranked

2035
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Sepsis and Mortality Prediction in Very Low Birth Weight Infants: Analysis of HeRO and nSOFA. American Journal of Perinatology, 2023, 40, 407-414. | 1.4 | 17 |
| 2 | Early Vital Sign Differences in Very Low Birth Weight Infants with Severe Intraventricular Hemorrhage. American Journal of Perinatology, 2023, 40, 1193-1201. | 1.4 | 4 |
| 3 | FAIRSCAPE: a Framework for FAIR and Reproducible Biomedical Analytics. Neuroinformatics, 2022, 20, 187-202. | 2.8 | 4 |
| 4 | Vital signs as physiomarkers of neonatal sepsis. Pediatric Research, 2022, 91, 273-282. | 2.3 | 21 |
| 5 | Antibiotic spectrum index: A new tool comparing antibiotic use in three NICUs. Infection Control and Hospital Epidemiology, 2022, 43, 1553-1557. | 1.8 | 6 |
| 6 | Discovery of signatures of fatal neonatal illness in vital signs using highly comparative time-series analysis. Npj Digital Medicine, 2022, 5, 6. | 10.9 | 9 |
| 7 | Autism risk in neonatal intensive care unit patients associated with novel heart rate patterns. Pediatric Research, 2021, 90, 1186-1192. | 2.3 | 5 |
| 8 | Vital sign metrics of VLBW infants in three NICUs: implications for predictive algorithms. Pediatric Research, 2021, 90, 125-130. | 2.3 | 9 |
| 9 | Hypoxemia in infants with trisomy 21 in the neonatal intensive care unit. Journal of Perinatology, 2021, 41, 1448-1453. | 2.0 | 6 |
| 10 | Major cardiorespiratory events do not increase after immunizations, eye exams, and other stressors in most very low birth weight infants. Journal of Neonatal-Perinatal Medicine, 2021, , 1-8. | 0.8 | 0 |
| 11 | Framework for Considering Abnormal Heart Rate Characteristics and Other Signs of Sepsis in Very Low Birth Weight Infants. American Journal of Perinatology, 2021, , . | 1.4 | 0 |
| 12 | Blood pressure extremes and severe IVH in preterm infants. Pediatric Research, 2020, 87, 69-73. | 2.3 | 25 |
| 13 | Continuous vital sign analysis for predicting and preventing neonatal diseases in the twenty-first century: big data to the forefront. Pediatric Research, 2020, 87, 210-220. | 2.3 | 86 |
| 14 | Meningitis, urinary tract, and bloodstream infections in very low birth weight infants enrolled in a heart rate characteristics monitoring trial. Pediatric Research, 2020, 87, 1226-1230. | 2.3 | 13 |
| 15 | Blood Pressure Profiles in Infants With Hypoxic Ischemic Encephalopathy (HIE), Response to Dopamine, and Association With Brain Injury. Frontiers in Pediatrics, 2020, 8, 512. | 1.9 | 7 |
| 16 | Low Variability of Blood Pressure Predicts Abnormal Electroencephalogram in Infants with Hypoxic Ischemic Encephalopathy. American Journal of Perinatology, 2020, , . | 1.4 | 2 |
| 17 | Temperature instability in infants with trisomy 21 in the neonatal intensive care unit. Journal of Perinatology, 2020, 40, 1167-1170. | 2.0 | 1 |
| 18 | Central Apnea of Prematurity: Does Sex Matter?. American Journal of Perinatology, 2020, 38, 1428-1434. | 1.4 | 2 |

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|----|--|-----|-----------|
| 19 | Mortality and Neurodevelopmental Outcomes in the Heart Rate Characteristics Monitoring Randomized Controlled Trial. <i>Journal of Pediatrics</i> , 2020, 219, 48-53. | 1.8 | 18 |
| 20 | Systematic review and network meta-analysis with individual participant data on cord management at preterm birth (iCOMP): study protocol. <i>BMJ Open</i> , 2020, 10, e034595. | 1.9 | 16 |
| 21 | Recovery from bradycardia and desaturation events at 32 weeks corrected age and NICU length of stay: an indicator of physiologic resilience?. <i>Pediatric Research</i> , 2019, 86, 622-627. | 2.3 | 12 |
| 22 | Heart Rate and Cardiorespiratory Analysis for Sepsis and Necrotizing Enterocolitis Prediction. , 2019, , 343-362. | | 0 |
| 23 | Oxygen desaturations in the early neonatal period predict development of bronchopulmonary dysplasia. <i>Pediatric Research</i> , 2019, 85, 987-993. | 2.3 | 50 |
| 24 | Early hypoxemia burden is strongly associated with severe intracranial hemorrhage in preterm infants. <i>Journal of Perinatology</i> , 2019, 39, 48-53. | 2.0 | 23 |
| 25 | Cross-Correlation of Heart Rate and Oxygen Saturation in Very Low Birthweight Infants: Association with Apnea and Adverse Events. <i>American Journal of Perinatology</i> , 2018, 35, 463-469. | 1.4 | 26 |
| 26 | Heart-rate-characteristic monitoring decreases NICU length of stay. <i>Journal of Pediatrics</i> , 2018, 202, 330-333. | 1.8 | 0 |
| 27 | Ventilation of Preterm Infants during Delayed Cord Clamping (VentFirst): A Pilot Study of Feasibility and Safety. <i>American Journal of Perinatology</i> , 2017, 34, 111-116. | 1.4 | 60 |
| 28 | Vital signs and their cross-correlation in sepsis and NEC: a study of 1,065 very-low-birth-weight infants in two NICUs. <i>Pediatric Research</i> , 2017, 81, 315-321. | 2.3 | 60 |
| 29 | Impact of Caffeine Boluses and Caffeine Discontinuation on Apnea and Hypoxemia in Preterm Infants. <i>Journal of Caffeine Research</i> , 2017, 7, 103-110. | 0.9 | 8 |
| 30 | Dexamethasone effect on heart rate variability in preterm infants on mechanical ventilation. <i>Journal of Neonatal-Perinatal Medicine</i> , 2017, 10, 425-430. | 0.8 | 8 |
| 31 | Clinical associations with immature breathing in preterm infants: part 2â€”periodic breathing. <i>Pediatric Research</i> , 2016, 80, 28-34. | 2.3 | 46 |
| 32 | Early Heart Rate Characteristics Predict Death and Morbidities in Preterm Infants. <i>Journal of Pediatrics</i> , 2016, 174, 57-62. | 1.8 | 52 |
| 33 | Clinical associations of immature breathing in preterm infants: part 1â€”central apnea. <i>Pediatric Research</i> , 2016, 80, 21-27. | 2.3 | 73 |
| 34 | Very long apnea events in preterm infants. <i>Journal of Applied Physiology</i> , 2015, 118, 558-568. | 2.5 | 30 |
| 35 | Predictive monitoring for sepsis and necrotizing enterocolitis to prevent shock. <i>Seminars in Fetal and Neonatal Medicine</i> , 2015, 20, 255-261. | 2.3 | 62 |
| 36 | Accurate Automated Apnea Analysis in Preterm Infants. <i>American Journal of Perinatology</i> , 2014, 31, 157-162. | 1.4 | 44 |

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|----|--|-----|-----------|
| 37 | Depressed Heart Rate Variability is Associated with Abnormal EEG, MRI, and Death in Neonates with Hypoxic Ischemic Encephalopathy. <i>American Journal of Perinatology</i> , 2014, 31, 855-862. | 1.4 | 66 |
| 38 | Infection and Other Clinical Correlates of Abnormal Heart Rate Characteristics in Preterm Infants. <i>Journal of Pediatrics</i> , 2014, 164, 775-780. | 1.8 | 63 |
| 39 | Septicemia mortality reduction in neonates in a heart rate characteristics monitoring trial. <i>Pediatric Research</i> , 2013, 74, 570-575. | 2.3 | 126 |
| 40 | Heart Rate Characteristics in the NICU. <i>Advances in Neonatal Care</i> , 2013, 13, 396-401. | 1.1 | 7 |
| 41 | Predictive monitoring for early detection of sepsis in neonatal ICU patients. <i>Current Opinion in Pediatrics</i> , 2013, 25, 172-179. | 2.0 | 88 |
| 42 | Cytokine screening identifies NICU patients with Gram-negative bacteremia. <i>Pediatric Research</i> , 2012, 71, 261-266. | 2.3 | 41 |
| 43 | Heart Rate Characteristics Monitoring in the NICU. , 2012, , 175-200. | | 1 |
| 44 | Pathogen-induced heart rate changes associated with cholinergic nervous system activation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R330-R339. | 1.8 | 79 |
| 45 | NICU admission hypothermia, chorioamnionitis, and cytokines. <i>Journal of Perinatal Medicine</i> , 2011, 39, 731-6. | 1.4 | 8 |
| 46 | Hypothermia increases interleukin-6 and interleukin-10 in juvenile endotoxemic mice*. <i>Pediatric Critical Care Medicine</i> , 2010, 11, 109-116. | 0.5 | 33 |
| 47 | Preface. <i>Clinics in Perinatology</i> , 2010, 37, xi-xii. | 2.1 | 0 |
| 48 | Heart Rate Characteristics: Physiometers for Detection of Late-Onset Neonatal Sepsis. <i>Clinics in Perinatology</i> , 2010, 37, 581-598. | 2.1 | 113 |
| 49 | Endotoxin depresses heart rate variability in mice: cytokine and steroid effects. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R1019-R1027. | 1.8 | 102 |
| 50 | Hypothermia enhances phosphorylation of I κ B kinase and prolongs nuclear localization of NF- κ B in lipopolysaccharide-activated macrophages. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C1114-C1121. | 4.6 | 27 |
| 51 | Inflammatory Markers in Intrauterine and Fetal Blood and Cerebrospinal Fluid Compartments Are Associated with Adverse Pulmonary and Neurologic Outcomes in Preterm Infants. <i>Pediatric Research</i> , 2004, 55, 1009-1017. | 2.3 | 223 |
| 52 | Hypothermia prolongs activation of NF- κ B and augments generation of inflammatory cytokines. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C422-C431. | 4.6 | 96 |
| 53 | Neonatal <i>Candida glabrata</i> sepsis: clinical and laboratory features compared with other <i>Candida</i> species. <i>Pediatric Infectious Disease Journal</i> , 2002, 21, 39-43. | 2.0 | 77 |
| 54 | The role of fever in the infected host. <i>Microbes and Infection</i> , 2000, 2, 1891-1904. | 1.9 | 195 |

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|----|---|-----|-----------|
| 55 | Effects of Hypothermia and Hyperthermia on Cytokine Production by Cultured Human Mononuclear Phagocytes from Adults and Newborns. <i>Journal of Interferon and Cytokine Research</i> , 2000, 20, 1049-1055. | 1.2 | 90 |
| 56 | Overdose of Intravenous Fat Emulsion in a Preterm Infant: Case Report. <i>Nutrition in Clinical Practice</i> , 1999, 14, 116-119. | 2.4 | 13 |
| 57 | HeRO monitoring to reduce mortality in NICU patients. <i>Research and Reports in Neonatology</i> , 0, , 65. | 0.2 | 20 |