

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	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
2	The role of fever in the infected host. <i>Microbes and Infection</i> , 2000, 2, 1891-1904.	1.9	195
3	Septicemia mortality reduction in neonates in a heart rate characteristics monitoring trial. <i>Pediatric Research</i> , 2013, 74, 570-575.	2.3	126
4	Heart Rate Characteristics: Physiomarkers for Detection of Late-Onset Neonatal Sepsis. <i>Clinics in Perinatology</i> , 2010, 37, 581-598.	2.1	113
5	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
6	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
7	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
8	Predictive monitoring for early detection of sepsis in neonatal ICU patients. <i>Current Opinion in Pediatrics</i> , 2013, 25, 172-179.	2.0	88
9	Continuous vital sign analysis for predicting and preventing neonatal diseases in the twenty-first century: big data to the forefront. <i>Pediatric Research</i> , 2020, 87, 210-220.	2.3	86
10	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
11	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
12	Clinical associations of immature breathing in preterm infants: part 1—central apnea. <i>Pediatric Research</i> , 2016, 80, 21-27.	2.3	73
13	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
14	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
15	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
16	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
17	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
18	Early Heart Rate Characteristics Predict Death and Morbidities in Preterm Infants. <i>Journal of Pediatrics</i> , 2016, 174, 57-62.	1.8	52

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19	Oxygen desaturations in the early neonatal period predict development of bronchopulmonary dysplasia. <i>Pediatric Research</i> , 2019, 85, 987-993.	2.3	50
20	Clinical associations with immature breathing in preterm infants: part 2—periodic breathing. <i>Pediatric Research</i> , 2016, 80, 28-34.	2.3	46
21	Accurate Automated Apnea Analysis in Preterm Infants. <i>American Journal of Perinatology</i> , 2014, 31, 157-162.	1.4	44
22	Cytokine screening identifies NICU patients with Gram-negative bacteremia. <i>Pediatric Research</i> , 2012, 71, 261-266.	2.3	41
23	Hypothermia increases interleukin-6 and interleukin-10 in juvenile endotoxemic mice*. <i>Pediatric Critical Care Medicine</i> , 2010, 11, 109-116.	0.5	33
24	Very long apnea events in preterm infants. <i>Journal of Applied Physiology</i> , 2015, 118, 558-568.	2.5	30
25	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
26	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
27	Blood pressure extremes and severe IVH in preterm infants. <i>Pediatric Research</i> , 2020, 87, 69-73.	2.3	25
28	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
29	Vital signs as physiometers of neonatal sepsis. <i>Pediatric Research</i> , 2022, 91, 273-282.	2.3	21
30	HeRO monitoring to reduce mortality in NICU patients. <i>Research and Reports in Neonatology</i> , 0, , 65.	0.2	20
31	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
32	Sepsis and Mortality Prediction in Very Low Birth Weight Infants: Analysis of HeRO and nSOFA. <i>American Journal of Perinatology</i> , 2023, 40, 407-414.	1.4	17
33	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
34	Overdose of Intravenous Fat Emulsion in a Preterm Infant: Case Report. <i>Nutrition in Clinical Practice</i> , 1999, 14, 116-119.	2.4	13
35	Meningitis, urinary tract, and bloodstream infections in very low birth weight infants enrolled in a heart rate characteristics monitoring trial. <i>Pediatric Research</i> , 2020, 87, 1226-1230.	2.3	13
36	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

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37	Vital sign metrics of VLBW infants in three NICUs: implications for predictive algorithms. <i>Pediatric Research</i> , 2021, 90, 125-130.	2.3	9
38	Discovery of signatures of fatal neonatal illness in vital signs using highly comparative time-series analysis. <i>Npj Digital Medicine</i> , 2022, 5, 6.	10.9	9
39	NICU admission hypothermia, chorioamnionitis, and cytokines. <i>Journal of Perinatal Medicine</i> , 2011, 39, 731-6.	1.4	8
40	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
41	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
42	Heart Rate Characteristics in the NICU. <i>Advances in Neonatal Care</i> , 2013, 13, 396-401.	1.1	7
43	Blood Pressure Profiles in Infants With Hypoxic Ischemic Encephalopathy (HIE), Response to Dopamine, and Association With Brain Injury. <i>Frontiers in Pediatrics</i> , 2020, 8, 512.	1.9	7
44	Hypoxemia in infants with trisomy 21 in the neonatal intensive care unit. <i>Journal of Perinatology</i> , 2021, 41, 1448-1453.	2.0	6
45	Antibiotic spectrum index: A new tool comparing antibiotic use in three NICUs. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 1553-1557.	1.8	6
46	Autism risk in neonatal intensive care unit patients associated with novel heart rate patterns. <i>Pediatric Research</i> , 2021, 90, 1186-1192.	2.3	5
47	FAIRSCAPE: a Framework for FAIR and Reproducible Biomedical Analytics. <i>Neuroinformatics</i> , 2022, 20, 187-202.	2.8	4
48	Early Vital Sign Differences in Very Low Birth Weight Infants with Severe Intraventricular Hemorrhage. <i>American Journal of Perinatology</i> , 2023, 40, 1193-1201.	1.4	4
49	Low Variability of Blood Pressure Predicts Abnormal Electroencephalogram in Infants with Hypoxic Ischemic Encephalopathy. <i>American Journal of Perinatology</i> , 2020, , .	1.4	2
50	Central Apnea of Prematurity: Does Sex Matter?. <i>American Journal of Perinatology</i> , 2020, 38, 1428-1434.	1.4	2
51	Temperature instability in infants with trisomy 21 in the neonatal intensive care unit. <i>Journal of Perinatology</i> , 2020, 40, 1167-1170.	2.0	1
52	Heart Rate Characteristics Monitoring in the NICU. , 2012, , 175-200.		1
53	Preface. <i>Clinics in Perinatology</i> , 2010, 37, xi-xii.	2.1	0
54	Heart-rate-characteristic monitoring decreases NICU length of stay. <i>Journal of Pediatrics</i> , 2018, 202, 330-333.	1.8	0

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55	Heart Rate and Cardiorespiratory Analysis for Sepsis and Necrotizing Enterocolitis Prediction. , 2019 , , 343-362.		0
56	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
57	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