Joseph R Isler

List of Publications by Year
in descending order

44 papers	1,380 citations	304743 22 h-index	345221 36 g-index
46 all docs	46 docs citations	46 times ranked	1586 citing authors

#	Article	IF	Citations
1	Family nurture intervention increases term age forebrain EEG activity: A multicenter replication trial. Clinical Neurophysiology, 2022, 138, 52-60.	1.5	4
2	Aperiodic electrophysiological activity in preterm infants is linked to subsequent autism risk. Developmental Psychobiology, 2022, 64, e22271.	1.6	19
3	Vital sign metrics of VLBW infants in three NICUs: implications for predictive algorithms. Pediatric Research, 2021, 90, 125-130.	2.3	9
4	Association of Prenatal Exposure to Maternal Drinking and Smoking With the Risk of Stillbirth. JAMA Network Open, 2021, 4, e2121726.	5.9	21
5	Preterm infant heart rate is lowered after Family Nurture Intervention in the NICU: Evidence in support of autonomic conditioning. Early Human Development, 2021, 161, 105455.	1.8	10
6	Comparing liver and lower abdomen near-infrared spectroscopy in preterm infants. Early Human Development, 2020, 151, 105194.	1.8	1
7	Association Between Prenatal Exposure to Alcohol and Tobacco and Neonatal Brain Activity. JAMA Network Open, 2020, 3, e204714.	5.9	23
8	Associations among the home language environment and neural activity during infancy. Developmental Cognitive Neuroscience, 2020, 43, 100780.	4.0	22
9	Family nurture intervention alters relationships between preterm infant EEG delta brush characteristics and term age EEG power. Clinical Neurophysiology, 2020, 131, 1909-1916.	1.5	5
10	Infants of mothers with higher physiological stress show alterations in brain function. Developmental Science, 2020, 23, e12976.	2.4	25
11	Neonatal EEG linked to individual differences in socioemotional outcomes and autism risk in toddlers. Developmental Psychobiology, 2019, 61, 1110-1119.	1.6	19
12	Fetal heart rate, heart rate variability, and heart rate/movement coupling in the Safe Passage Study. Journal of Perinatology, 2019, 39, 608-618.	2.0	21
13	Early hypoxemia burden is strongly associated with severe intracranial hemorrhage in preterm infants. Journal of Perinatology, 2019, 39, 48-53.	2.0	23
14	Cohort profile: the Neonatal Intensive Care Unit Hospital Exposures and Long-Term Health (NICU-HEALTH) cohort, a prospective preterm birth cohort in New York City. BMJ Open, 2019, 9, e032758.	1.9	5
15	Integrated information in the EEG of preterm infants increases with family nurture intervention, age, and conscious state. PLoS ONE, 2018, 13, e0206237.	2.5	28
16	Impact of respiratory viruses in the neonatal intensive care unit. Journal of Perinatology, 2018, 38, 1556-1565.	2.0	7
17	Cardiorespiratory physiology in the safe passage study: protocol, methods and normative values in unexposed infants. Acta Paediatrica, International Journal of Paediatrics, 2017, 106, 1260-1272.	1.5	15
18	A modified Timeline Followback assessment to capture alcohol exposure in pregnant women: Application in the Safe Passage Study. Alcohol, 2017, 62, 17-27.	1.7	28

#	Article	IF	Citations
19	Vital signs and their cross-correlation in sepsis and NEC: a study of 1,065 very-low-birth-weight infants in two NICUs. Pediatric Research, 2017, 81, 315-321.	2.3	60
20	Family nurture intervention in preterm infants increases early development of cortical activity and independence of regional power trajectories. Acta Paediatrica, International Journal of Paediatrics, 2017, 106, 1952-1960.	1.5	75
21	Drinking and smoking patterns during pregnancy: Development of group-based trajectories in the Safe Passage Study. Alcohol, 2017, 62, 49-60.	1.7	45
22	Nkx2.5 is essential to establish normal heart rate variability in the zebrafish embryo. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 313, R265-R271.	1.8	15
23	Neonatal eyelid conditioning during sleep. Developmental Psychobiology, 2016, 58, 875-882.	1.6	14
24	An automated method for coding sleep states in human infants based on respiratory rate variability. Developmental Psychobiology, 2016, 58, 1108-1115.	1.6	33
25	Pregnancy distress gets under fetal skin: Maternal ambulatory assessment & sex differences in prenatal development. Developmental Psychobiology, 2015, 57, 607-625.	1.6	50
26	Electroencephalographic activity of preterm infants is increased by Family Nurture Intervention: A randomized controlled trial in the NICU. Clinical Neurophysiology, 2014, 125, 675-684.	1.5	82
27	Toward an electrocortical biomarker of cognition for newborn infants. Developmental Science, 2012, 15, 260-271.	2.4	23
28	Newborn infants learn during sleep. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10320-10323.	7.1	95
29	Interactions within the Hand Representation in Primary Somatosensory Cortex of Primates. Journal of Neuroscience, 2010, 30, 15895-15903.	3.6	32
30	Reduced functional connectivity in visual evoked potentials in children with autism spectrum disorder. Clinical Neurophysiology, 2010, 121, 2035-2043.	1.5	89
31	Cross-frequency phase coupling of brain rhythms during the orienting response. Brain Research, 2008, 1232, 163-172.	2.2	41
32	EEG functional connectivity in term age extremely low birth weight infants. Clinical Neurophysiology, 2008, 119, 2712-2720.	1.5	56
33	Frequency Domain Analyses of Neonatal Flash VEP. Pediatric Research, 2007, 62, 581-585.	2.3	5
34	Electrocortical Functional Connectivity in Infancy: Response to Body Tilt. Pediatric Neurology, 2007, 37, 91-98.	2.1	8
35	High-Density Electroencephalogram Monitoring in the Neonate. Clinics in Perinatology, 2006, 33, 679-691.	2.1	17
36	Local coherence oscillations in the EEG during development in the fetal baboon. Clinical Neurophysiology, 2005, 116, 2121-2128.	1.5	9

#	Article	IF	Citations
37	Quantitative analysis of spatial sampling error in the infant and adult electroencephalogram. NeuroImage, 2004, 21, 1260-1274.	4.2	37
38	Spatial correlation of the infant and adult electroencephalogram. Clinical Neurophysiology, 2003, 114, 1594-1608.	1.5	56
39	Gravity Wave Variability and Interaction with Lower-Frequency Motions in the Mesosphere and Lower Thermosphere over Hawaii. Journals of the Atmospheric Sciences, 1996, 53, 37-48.	1.7	45
40	Mean winds and tidal and planetary wave motions over Hawaii during airborne lidar and observations of Hawaiian Airglow ALOHA-93. Geophysical Research Letters, 1995, 22, 2821-2824.	4.0	11
41	Observations of variations in airglow emissions during ALOHA-93. Geophysical Research Letters, 1995, 22, 2817-2820.	4.0	28
42	Observations of spectra of intensity fluctuations of the OH Meinel nightglow during ALOHA-93. Geophysical Research Letters, 1995, 22, 2873-2876.	4.0	24
43	Wave breaking signatures in noctilucent clouds. Geophysical Research Letters, 1993, 20, 2039-2042.	4.0	99
44	First observations of mesospheric dynamics with a partial reflection radar in Hawaii (22Â°N, 160Â°W). Geophysical Research Letters, 1992, 19, 409-412.	4.0	45