

Janet S Soul MdcM

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

3,399
citations

172386

29
h-index

143943

57
g-index

69
all docs

69
docs citations

69
times ranked

2918
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Fluctuating Pressure-Passivity Is Common in the Cerebral Circulation of Sick Premature Infants. <i>Pediatric Research</i> , 2007, 61, 467-473. | 1.1 | 367 |
| 2 | The Current Etiologic Profile and Neurodevelopmental Outcome of Seizures in Term Newborn Infants. <i>Pediatrics</i> , 2006, 117, 1270-1280. | 1.0 | 337 |
| 3 | Contemporary Profile of Seizures in Neonates: A Prospective Cohort Study. <i>Journal of Pediatrics</i> , 2016, 174, 98-103.e1. | 0.9 | 218 |
| 4 | Relationship of Intraoperative Cerebral Oxygen Saturation to Neurodevelopmental Outcome and Brain Magnetic Resonance Imaging at 1 Year of Age in Infants Undergoing Biventricular Repair. <i>Circulation</i> , 2010, 122, 245-254. | 1.6 | 169 |
| 5 | Profile of neonatal epilepsies. <i>Neurology</i> , 2017, 89, 893-899. | 1.5 | 145 |
| 6 | Elevated Cerebral Pressure Passivity Is Associated With Prematurity-Related Intracranial Hemorrhage. <i>Pediatrics</i> , 2009, 124, 302-309. | 1.0 | 138 |
| 7 | Randomized trial of hematocrit 25% versus 35% during hypothermic cardiopulmonary bypass in infant heart surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 135, 347-354.e4. | 0.4 | 136 |
| 8 | Identification of Pressure Passive Cerebral Perfusion and Its Mediators after Infant Cardiac Surgery. <i>Pediatric Research</i> , 2005, 57, 35-41. | 1.1 | 117 |
| 9 | Cerebral Hemodynamic Changes During Intensive Care of Preterm Infants. <i>Pediatrics</i> , 2008, 122, e1006-e1013. | 1.0 | 114 |
| 10 | Cerebral Oxygen Metabolism in Neonatal Hypoxic Ischemic Encephalopathy during and after Therapeutic Hypothermia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 87-94. | 2.4 | 105 |
| 11 | Noninvasive Detection of Changes in Cerebral Blood Flow by Near-Infrared Spectroscopy in a Piglet Model of Hydrocephalus. <i>Pediatric Research</i> , 2000, 48, 445-449. | 1.1 | 103 |
| 12 | Seizures in Preterm Neonates: A Multicenter Observational Cohort Study. <i>Pediatric Neurology</i> , 2017, 72, 19-24. | 1.0 | 83 |
| 13 | Current Definitions of Hypotension Do Not Predict Abnormal Cranial Ultrasound Findings in Preterm Infants. <i>Pediatrics</i> , 2007, 120, 966-977. | 1.0 | 76 |
| 14 | The use of phenobarbital and other anti-seizure drugs in newborns. <i>Seminars in Fetal and Neonatal Medicine</i> , 2017, 22, 321-327. | 1.1 | 64 |
| 15 | Near-infrared spectroscopy. <i>Seminars in Pediatric Neurology</i> , 1999, 6, 101-110. | 1.0 | 58 |
| 16 | CSF Removal in Infantile Posthemorrhagic Hydrocephalus Results in Significant Improvement in Cerebral Hemodynamics. <i>Pediatric Research</i> , 2004, 55, 872-876. | 1.1 | 58 |
| 17 | Fetal Brain Volume Predicts Neurodevelopment in Congenital Heart Disease. <i>Circulation</i> , 2022, 145, 1108-1119. | 1.6 | 56 |
| 18 | Treatment Duration After Acute Symptomatic Seizures in Neonates: A Multicenter Cohort Study. <i>Journal of Pediatrics</i> , 2017, 181, 298-301.e1. | 0.9 | 55 |

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|----|--|-----|-----------|
| 19 | Safety of Early Discontinuation of Antiseizure Medication After Acute Symptomatic Neonatal Seizures. <i>JAMA Neurology</i> , 2021, 78, 817. | 4.5 | 54 |
| 20 | White Matter Volume Predicts Language Development in Congenital Heart Disease. <i>Journal of Pediatrics</i> , 2017, 181, 42-48.e2. | 0.9 | 52 |
| 21 | Recommendations for the design of therapeutic trials for neonatal seizures. <i>Pediatric Research</i> , 2019, 85, 943-954. | 1.1 | 52 |
| 22 | A Pilot Randomized, Controlled, Double-blind Trial of Bumetanide to Treat Neonatal Seizures. <i>Annals of Neurology</i> , 2021, 89, 327-340. | 2.8 | 50 |
| 23 | Regional Brain Growth Trajectories in Fetuses with Congenital Heart Disease. <i>Annals of Neurology</i> , 2021, 89, 143-157. | 2.8 | 49 |
| 24 | Perioperative cerebral hemodynamics and oxygen metabolism in neonates with single-ventricle physiology. <i>Biomedical Optics Express</i> , 2015, 6, 4749. | 1.5 | 48 |
| 25 | Sensitive isotope dilution liquid chromatography/tandem mass spectrometry method for quantitative analysis of bumetanide in serum and brain tissue. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 998-1002. | 1.2 | 44 |
| 26 | Acute symptomatic seizures in term neonates: Etiologies and treatments. <i>Seminars in Fetal and Neonatal Medicine</i> , 2018, 23, 183-190. | 1.1 | 42 |
| 27 | Subtle hemorrhagic brain injury is associated with neurodevelopmental impairment in infants with repaired congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 138, 374-381. | 0.4 | 41 |
| 28 | Neonatal seizures: Case definition & guidelines for data collection, analysis, and presentation of immunization safety data. <i>Vaccine</i> , 2019, 37, 7596-7609. | 1.7 | 37 |
| 29 | <i>BRAT1</i> mutations present with a spectrum of clinical severity. <i>American Journal of Medical Genetics, Part A</i> , 2016, 170, 2265-2273. | 0.7 | 34 |
| 30 | Response to antiseizure medications in neonates with acute symptomatic seizures. <i>Epilepsia</i> , 2019, 60, e20-e24. | 2.6 | 33 |
| 31 | Cerebral Blood Flow Velocity and Neurodevelopmental Outcome in Infants Undergoing Surgery for Congenital Heart Disease. <i>Annals of Thoracic Surgery</i> , 2014, 98, 125-132. | 0.7 | 31 |
| 32 | Electroencephalographic discontinuity during sevoflurane anesthesia in infants and children. <i>Paediatric Anaesthesia</i> , 2017, 27, 251-262. | 0.6 | 31 |
| 33 | Cerebral infarction in Menkes's disease. <i>Pediatric Neurology</i> , 2000, 23, 425-428. | 1.0 | 27 |
| 34 | Imaging features and prognostic factors in fetal and postnatal torcular dural sinus malformations, part II: synthesis of the literature and patient management. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 471-475. | 2.0 | 24 |
| 35 | De novo and inherited TCF20 pathogenic variants are associated with intellectual disability, dysmorphic features, hypotonia, and neurological impairments with similarities to Smith-Magenis syndrome. <i>Genome Medicine</i> , 2019, 11, 12. | 3.6 | 23 |
| 36 | Pharmacologic Prevention and Treatment of Neonatal Brain Injury. <i>Clinics in Perinatology</i> , 2019, 46, 311-325. | 0.8 | 23 |

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|----|---|-----|-----------|
| 37 | Abnormalities in cerebral hemodynamics and changes with surgical intervention in neonates with congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 2012-2021. | 0.4 | 23 |
| 38 | Early-life epilepsy after acute symptomatic neonatal seizures: A prospective multicenter study. <i>Epilepsia</i> , 2021, 62, 1871-1882. | 2.6 | 23 |
| 39 | Seizure Prediction Models in the Neonatal Intensive Care Unit. <i>Journal of Clinical Neurophysiology</i> , 2019, 36, 186-194. | 0.9 | 22 |
| 40 | Imaging features and prognostic factors in fetal and postnatal torcular dural sinus malformations, part I: review of experience at Boston Children's Hospital. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 467-470. | 2.0 | 19 |
| 41 | Seizure Control in Neonates Undergoing Screening vs Confirmatory EEG Monitoring. <i>Neurology</i> , 2021, 97, e587-e596. | 1.5 | 19 |
| 42 | Parent experience of caring for neonates with seizures. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 634-639. | 1.4 | 17 |
| 43 | Peroneal neuropathy from Ankle-Foot orthoses. <i>Pediatric Neurology</i> , 2003, 29, 72-74. | 1.0 | 16 |
| 44 | Associations between Infant and Parent Characteristics and Measures of Family Well-Being in Neonates with Seizures: A Cohort Study. <i>Journal of Pediatrics</i> , 2020, 221, 64-71.e4. | 0.9 | 15 |
| 45 | Treatment of Neonatal Seizures: Comparison of Treatment Pathways From 11 Neonatal Intensive Care Units. <i>Pediatric Neurology</i> , 2022, 128, 67-74. | 1.0 | 15 |
| 46 | Post-arrest therapeutic hypothermia in pediatric patients with congenital heart disease. <i>Resuscitation</i> , 2018, 126, 83-89. | 1.3 | 14 |
| 47 | Characterizing the shape of anatomical structures with Poisson's equation. <i>IEEE Transactions on Medical Imaging</i> , 2006, 25, 1249-1257. | 5.4 | 13 |
| 48 | Monitoring and management of brain hemodynamics and oxygenation. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2019, 162, 295-314. | 1.0 | 13 |
| 49 | Characterization of Death in Infants With Neonatal Seizures. <i>Pediatric Neurology</i> , 2020, 113, 21-25. | 1.0 | 12 |
| 50 | Management of seizures in neonates with neonatal encephalopathy treated with hypothermia. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021, 26, 101279. | 1.1 | 11 |
| 51 | New Numerical Solution of the Laplace Equation for Tissue Thickness Measurement in Three-Dimensional MRI. <i>Mathematical Modelling and Algorithms</i> , 2005, 4, 83-97. | 0.5 | 10 |
| 52 | Fetal magnetic resonance imaging: supratentorial brain malformations. <i>Pediatric Radiology</i> , 2020, 50, 1934-1947. | 1.1 | 10 |
| 53 | Family-Centered Care for Children and Families Impacted by Neonatal Seizures: Advice From Parents. <i>Pediatric Neurology</i> , 2021, 124, 26-32. | 1.0 | 9 |
| 54 | Abnormal development of transient fetal zones in mild isolated fetal ventriculomegaly. <i>Cerebral Cortex</i> , 2023, 33, 1130-1139. | 1.6 | 9 |

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|----|--|-----|-----------|
| 55 | Probabilistic tractography-based thalamic parcellation in healthy newborns and newborns with congenital heart disease. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 1626-1637. | 1.9 | 8 |
| 56 | Predicting Autism Spectrum Disorder in Very Preterm Infants. <i>Pediatrics</i> , 2020, 146, e2020019448. | 1.0 | 5 |
| 57 | Talairach-Based Parcellation of Neonatal Brain Magnetic Resonance Imaging Data: Validation of a New Approach. <i>Journal of Neuroimaging</i> , 2005, 15, 305-314. | 1.0 | 4 |
| 58 | Liver Failure as the Presentation of Ornithine Transcarbamylase Deficiency in a 13-Month-Old Female. <i>JIMD Reports</i> , 2017, 40, 17-22. | 0.7 | 4 |
| 59 | Characteristics of Neonates with Cardiopulmonary Disease Who Experience Seizures: A Multicenter Study. <i>Journal of Pediatrics</i> , 2022, 242, 63-73. | 0.9 | 3 |
| 60 | Congenital muscular dystrophy-dystroglycanopathy, type A, featuring bilateral retinal dysplasia and vertical angle kappa. <i>Journal of AAPOS</i> , 2018, 22, 242-244.e1. | 0.2 | 2 |
| 61 | Seizure Severity and Treatment Response in Newborn Infants with Seizures Attributed to Intracranial Hemorrhage. <i>Journal of Pediatrics</i> , 2021, , . | 0.9 | 2 |
| 62 | Impact of COVID-19 Pandemic on Developmental Service Delivery in Children With a History of Neonatal Seizures. <i>Pediatric Neurology</i> , 2022, 129, 14-18. | 1.0 | 2 |
| 63 | Parent Mental Health and Family Coping over Two Years after the Birth of a Child with Acute Neonatal Seizures. <i>Children</i> , 2022, 9, 2. | 0.6 | 2 |
| 64 | Continuous EEG monitoring still recommended for neonatal seizure management: commentary on NEST trial. <i>Pediatric Research</i> , 2023, 93, 469-470. | 1.1 | 2 |
| 65 | Training in neonatal neurocritical care: a proposal for a hybrid model of competence by design and time-based methods. <i>Pediatric Research</i> , 2021, , . | 1.1 | 1 |
| 66 | Novel medications for neonatal seizures: Bumetanide and topiramate. <i>Journal of Pediatric Neurology</i> , 2015, 07, 085-093. | 0.0 | 0 |
| 67 | Talairach-Based Parcellation of Neonatal Brain Magnetic Resonance Imaging Data: Validation of a New Approach. , 2005, 15, 305-314. | | 0 |