

Mark S Scher

List of Publications by Year in descending order

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90
papers

3,518
citations

147801

31
h-index

144013

57
g-index

92
all docs

92
docs citations

92
times ranked

1911
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The American Clinical Neurophysiology Society's Guideline on Continuous Electroencephalography Monitoring in Neonates. <i>Journal of Clinical Neurophysiology</i> , 2011, 28, 611-617. | 1.7 | 403 |
| 2 | Uncoupling of EEG-clinical neonatal seizures after antiepileptic drug use. <i>Pediatric Neurology</i> , 2003, 28, 277-280. | 2.1 | 220 |
| 3 | The Effects of Prenatal Alcohol and Marijuana Exposure: Disturbances in Neonatal Sleep Cycling and Arousal. <i>Pediatric Research</i> , 1988, 24, 101-105. | 2.3 | 201 |
| 4 | Ictal and Interictal Electrographic Seizure Durations in Preterm and Term Neonates. <i>Epilepsia</i> , 1993, 34, 284-288. | 5.1 | 161 |
| 5 | Neurophysiologic Assessment of Neonatal Sleep Organization: Preliminary Results of a Randomized, Controlled Trial of Skin Contact With Preterm Infants. <i>Pediatrics</i> , 2006, 117, e909-e923. | 2.1 | 142 |
| 6 | Neurophysiologic assessment of brain maturation after an 8-week trial of skin-to-skin contact on preterm infants. <i>Clinical Neurophysiology</i> , 2009, 120, 1812-1818. | 1.5 | 135 |
| 7 | Sleeping and waking state development in preterm infants. <i>Early Human Development</i> , 2004, 80, 43-64. | 1.8 | 106 |
| 8 | Comparison of EEG Sleep Measures in Healthy Full-Term and Preterm Infants at Matched Conceptional Ages. <i>Sleep</i> , 1992, 15, 442-448. | 1.1 | 105 |
| 9 | Ontogeny of EEG-sleep from neonatal through infancy periods. <i>Sleep Medicine</i> , 2008, 9, 615-636. | 1.6 | 93 |
| 10 | VISUAL AND NEUROLOGICAL OUTCOME OF INFANTS WITH PERIVENTRICULAR LEUKOMALACIA. <i>Developmental Medicine and Child Neurology</i> , 1989, 31, 353-365. | 2.1 | 93 |
| 11 | Prediction of lower developmental performances of healthy neonates by neonatal EEG-sleep measures. <i>Pediatric Neurology</i> , 1996, 14, 137-144. | 2.1 | 87 |
| 12 | Cyclicity of Neonatal Sleep Behaviors at 25 to 30 Weeks' Postconceptional Age. <i>Pediatric Research</i> , 2005, 57, 879-882. | 2.3 | 87 |
| 13 | Neonatal seizures and brain damage. <i>Pediatric Neurology</i> , 2003, 29, 381-390. | 2.1 | 77 |
| 14 | Comparisons of EEG spectral and correlation measures between healthy term and preterm infants. <i>Pediatric Neurology</i> , 1994, 10, 104-108. | 2.1 | 75 |
| 15 | Neonatal Electroencephalography and Neuropathology. <i>Journal of Clinical Neurophysiology</i> , 1989, 6, 103. | 1.7 | 74 |
| 16 | Neurophysiological assessment of brain function and maturation II. A measure of brain dysmaturity in healthy preterm neonates. <i>Pediatric Neurology</i> , 1997, 16, 287-295. | 2.1 | 68 |
| 17 | Maturational trends of EEG-sleep measures in the healthy preterm neonate. <i>Pediatric Neurology</i> , 1995, 12, 314-322. | 2.1 | 61 |
| 18 | Comparisons of EEG Sleep State-Specific Spectral Values Between Healthy Full-Term and Preterm Infants at Comparable Postconceptional Ages. <i>Sleep</i> , 1994, 17, 47-51. | 1.1 | 60 |

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|----|---|-----|-----------|
| 19 | Neonatal seizure classification: A fetal perspective concerning childhood epilepsy. <i>Epilepsy Research</i> , 2006, 70, 41-57. | 1.6 | 54 |
| 20 | Neurophysiological assessment of brain function and maturation: I. A measure of brain adaptation in high risk infants. <i>Pediatric Neurology</i> , 1997, 16, 191-198. | 2.1 | 53 |
| 21 | Neonatal EEG/Sleep State Analyses: A Complex Phenotype of Developmental Neural Plasticity. <i>Developmental Neuroscience</i> , 2009, 31, 259-275. | 2.0 | 44 |
| 22 | Normal electrographic-polysomnographic patterns in preterm and fullterm infants. <i>Seminars in Pediatric Neurology</i> , 1996, 3, 2-12. | 2.0 | 41 |
| 23 | Functional brain maturation in neonates as measured by EEG-sleep analyses. <i>Clinical Neurophysiology</i> , 2003, 114, 875-882. | 1.5 | 41 |
| 24 | Neonatal EEG-sleep disruption mimicking hypoxic-ischemic encephalopathy after intrapartum asphyxia. <i>Sleep Medicine</i> , 2002, 3, 411-415. | 1.6 | 39 |
| 25 | Proposed Cross-Disciplinary Training in Pediatric Neurointensive Care. <i>Pediatric Neurology</i> , 2008, 39, 1-5. | 2.1 | 39 |
| 26 | “The First Thousand Days” Define a Fetal/Neonatal Neurology Program. <i>Frontiers in Pediatrics</i> , 2021, 9, 683138. | 1.9 | 38 |
| 27 | Perinatal asphyxia: Timing and mechanisms of injury in neonatal encephalopathy. <i>Current Neurology and Neuroscience Reports</i> , 2001, 1, 175-184. | 4.2 | 37 |
| 28 | Estimation of gestational age by electrographic, clinical, and anatomic criteria. <i>Pediatric Neurology</i> , 1987, 3, 256-262. | 2.1 | 35 |
| 29 | A Walsh’s Fourier Analysis of the Effects of Moderate Maternal Alcohol Consumption on Neonatal Sleep-State Cycling. <i>Journal of the American Statistical Association</i> , 1988, 83, 954-963. | 3.1 | 35 |
| 30 | Sleep Architecture and Continuity Measures of Neonates with Chronic Lung Disease. <i>Sleep</i> , 1992, 15, 195-201. | 1.1 | 33 |
| 31 | Regional differences in spectral EEG measures between healthy term and preterm infants. <i>Pediatric Neurology</i> , 1997, 17, 218-223. | 2.1 | 33 |
| 32 | Automated State Analyses: Proposed Applications to Neonatal Neurointensive Care. <i>Journal of Clinical Neurophysiology</i> , 2005, 22, 256-270. | 1.7 | 33 |
| 33 | Maturation of Phasic and Continuity Measures during Sleep in Preterm Neonates. <i>Pediatric Research</i> , 1994, 36, 732-737. | 2.3 | 32 |
| 34 | Cardiorespiratory Behavior during Sleep in Full-Term and Preterm Neonates at Comparable Postconceptional Term Ages. <i>Pediatric Research</i> , 1994, 36, 738-744. | 2.3 | 31 |
| 35 | Computer Classification of Sleep in Preterm and Full-Term Neonates at Similar Postconceptional Term Ages. <i>Sleep</i> , 1996, 19, 18-25. | 1.1 | 31 |
| 36 | Physiologic Brain Dysmaturity in Late Preterm Infants. <i>Pediatric Research</i> , 2011, 70, 524-528. | 2.3 | 31 |

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|----|---|-----|-----------|
| 37 | Cerebral infarctions in the fetus and neonate: maternal-placental-fetal considerations. Clinics in Perinatology, 2002, 29, 693-724. | 2.1 | 30 |
| 38 | Computer Analyses of EEG-Sleep in the Neonate. Journal of Clinical Neurophysiology, 1990, 7, 417-441. | 1.7 | 29 |
| 39 | Neonatal encephalopathies as classified by EEG-sleep criteria: Severity and timing based on clinical/pathologic correlations. Pediatric Neurology, 1994, 11, 189-200. | 2.1 | 29 |
| 40 | Automated EEG-sleep analyses and neonatal neurointensive care. Sleep Medicine, 2004, 5, 533-540. | 1.6 | 29 |
| 41 | GRATING ACUITY AND VISUAL FIELD DEVELOPMENT IN INFANTS FOLLOWING PERINATAL ASPHYXIA. Developmental Medicine and Child Neurology, 1995, 37, 330-344. | 2.1 | 29 |
| 42 | Prediction of neonatal state and maturational change using dimensional analysis. Journal of Clinical Neurophysiology, 2005, 22, 159-65. | 1.7 | 25 |
| 43 | Computer Classification of State in Healthy Preterm Neonates. Sleep, 1997, 20, 132-141. | 1.1 | 24 |
| 44 | Neonatal Phenobarbital and Phenytoin Binding Profiles. Journal of Clinical Pharmacology, 1994, 34, 312-317. | 2.0 | 23 |
| 45 | Brain lesions of fetal onset in encephalopathic infants with nonimmune hydrops fetalis. Pediatric Neurology, 1994, 11, 15-22. | 2.1 | 22 |
| 46 | Optimal channel selection for analysis of EEG-sleep patterns of neonates. Computer Methods and Programs in Biomedicine, 2012, 106, 14-26. | 4.7 | 22 |
| 47 | Fetal neurology: Principles and practice with a life-course perspective. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 162, 1-29. | 1.8 | 22 |
| 48 | Prenatal contributions to epilepsy: lessons from the bedside. Epileptic Disorders, 2003, 5, 77-91. | 1.3 | 20 |
| 49 | Postnatal Adaptation of Brain Function in Full-term Neonates as Assessed by EEG Sleep Analyses. Sleep, 1995, 18, 531-535. | 1.1 | 19 |
| 50 | Rectal temperature changes during sleep state transitions in term and preterm neonates at postconceptional term ages. Pediatric Neurology, 1994, 10, 191-194. | 2.1 | 17 |
| 51 | Fetal and neonatal neurologic consultations: Identifying brain disorders in the context of fetal-maternal-placental disease. Seminars in Pediatric Neurology, 2001, 8, 55-73. | 2.0 | 17 |
| 52 | Fetal neurologic consultations. Pediatric Neurology, 2003, 29, 193-202. | 2.1 | 17 |
| 53 | Comparative estimates of neonatal gestational maturity by electrographic and fetal ultrasonographic criteria. Pediatric Neurology, 1994, 11, 214-218. | 2.1 | 16 |
| 54 | Pediatric neurology participation in a fetal diagnostic service. Pediatric Neurology, 2004, 30, 338-344. | 2.1 | 14 |

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|----|---|-----|-----------|
| 55 | Neonatal Hypertonia: I. Classification and Structuralâ€“Functional Correlates. <i>Pediatric Neurology</i> , 2008, 39, 301-306. | 2.1 | 14 |
| 56 | Neurologic outcome after fetal inflammatory response syndrome: Trimester-specific considerations. <i>Seminars in Fetal and Neonatal Medicine</i> , 2020, 25, 101137. | 2.3 | 14 |
| 57 | Neonatal Hypertonia: II. Differential Diagnosis and Proposed Neuroprotection. <i>Pediatric Neurology</i> , 2008, 39, 373-380. | 2.1 | 11 |
| 58 | Topical Review: Fetal and Neonatal Neurologic Case Histories: Assessment of Brain Disorders in the Context of Fetal-Maternal-Placental Disease. Part 1: Fetal Neurologic Consultations in the Context of Antepartum Events and Prenatal Brain Development. <i>Journal of Child Neurology</i> , 2003, 18, 85-92. | 1.4 | 9 |
| 59 | Ontogeny of EEG sleep from neonatal through infancy periods. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2011, 98, 111-129. | 1.8 | 9 |
| 60 | Developmental Origins of Cerebrovascular Disease I. <i>Journal of Child Neurology</i> , 2012, 27, 121-131. | 1.4 | 9 |
| 61 | <i>Pediatric Neurophysiologic Evaluation.</i> , 2017, , 87-96. | | 9 |
| 62 | Topical Review: Fetal and Neonatal Neurologic Case Histories: Assessment of Brain Disorders in the Context of Fetal-Maternal-Placental Disease. <i>Journal of Child Neurology</i> , 2003, 18, 155-164. | 1.4 | 8 |
| 63 | Neonatal seizures: an expression of fetal or neonatal brain disorders. , 2003, , 735-784. | | 8 |
| 64 | Physiologic Artifacts in Neonatal Electroencephalography: The Importance of Technical Comments. <i>The American Journal of EEG Technology</i> , 1985, 25, 257-277. | 0.3 | 7 |
| 65 | Temperature differences during sleep between fullterm and preterm neonates at matched post-conceptual ages. <i>Clinical Neurophysiology</i> , 2003, 114, 17-22. | 1.5 | 7 |
| 66 | Timing of Neonatal Seizures and Intrapartum Obstetrical Factors. <i>Journal of Child Neurology</i> , 2008, 23, 640-643. | 1.4 | 7 |
| 67 | An Interdisciplinary Fetal/Neonatal Neurology Program. <i>Journal of Child Neurology</i> , 2012, 27, 496-502. | 1.4 | 7 |
| 68 | Fetal-neonatal neurology program development: Continuum of care during the first 1000 days. <i>Journal of Perinatology</i> , 2022, 42, 165-168. | 2.0 | 7 |
| 69 | Maternal Ulcerative Colitis and Fetal Brain Injury: Long-Term Neurologic Outcome. <i>Journal of Child Neurology</i> , 2007, 22, 1293-1296. | 1.4 | 6 |
| 70 | Gene-Environment Interactions During the First Thousand Days Influence Childhood Neurological Diagnosis. <i>Seminars in Pediatric Neurology</i> , 2022, 42, 100970. | 2.0 | 6 |
| 71 | The Value of Midline Electrodes in Neonatal Electroencephalography. <i>The American Journal of EEG Technology</i> , 1985, 25, 241-255. | 0.3 | 5 |
| 72 | Delayed Onset of Status Epilepticus After Transient Asphyxia in an Asymptomatic Full-Term Neonate. <i>Journal of Child Neurology</i> , 2002, 17, 780-783. | 1.4 | 5 |

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| 73 | Pediatric Epilepsy Evaluations From the Prenatal Perspective. Journal of Child Neurology, 2007, 22, 396-401. | 1.4 | 5 |
| 74 | Developmental Origins of Cerebrovascular Disease II. Journal of Child Neurology, 2012, 27, 238-250. | 1.4 | 5 |
| 75 | Peripartum Consultations Expand the Role of the Fetal/Neonatal Neurologist. Pediatric Neurology, 2012, 47, 411-418. | 2.1 | 5 |
| 76 | Normal and abnormal cerebrovascular development. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2013, 112, 1021-1042. | 1.8 | 4 |
| 77 | Training in Fetal/Neonatal Neurology: Principles to Guide Practice for Career-Long Learning. Pediatric Neurology, 2017, 67, 1-2. | 2.1 | 4 |
| 78 | Cerebral Palsy and Rehabilitative Care: The Role of Home-Based Care and Family-Centered Approach. Indian Pediatrics, 2021, 58, 813-814. | 0.4 | 4 |
| 79 | Fetal/neonatal neurology training for neurologists. Neurology, 2020, 95, 947-948. | 1.1 | 3 |
| 80 | Neurologic Sequelae Associated with Hypertensive Disorders of Pregnancy. Children, 2021, 8, 945. | 1.5 | 3 |
| 81 | The first 1000 days influence life-course brain health: interdisciplinary fetal/neonatal neurology training. Pediatric Research, 2022, , . | 2.3 | 2 |
| 82 | Neonatal seizures: an expression of fetal or neonatal brain disorders. , 0, , 499-526. | | 1 |
| 83 | Prematurity and perinatal inflammation is associated with a complex electroencephalographic phenotype. Pediatric Research, 2022, 92, 20-21. | 2.3 | 1 |
| 84 | Diagnosis and Treatment of Neonatal Seizures. , 2012, , 109-141. | | 0 |
| 85 | Neonatal seizures: A complex phenotype representing past, present and future risks for brain injury. Journal of Pediatric Neurology, 2015, 07, 051-060. | 0.2 | 0 |
| 86 | Neurodevelopment in newborns as quantified by synchronization in the Electroencephalogram. , 2016, , . | | 0 |
| 87 | Editorial: The 2016 Pediatric Neurology Trainee Publication Award. Pediatric Neurology, 2017, 75, 3. | 2.1 | 0 |
| 88 | The 2017 Pediatric Neurology Training Publication Award. Pediatric Neurology, 2018, 86, 4. | 2.1 | 0 |
| 89 | The 2018 Pediatric Neurology Trainee Publication Award. Pediatric Neurology, 2019, 101, 1. | 2.1 | 0 |
| 90 | â€œThe Child Is the Father of the Manâ€ A Tribute to Ken Swaiman. Pediatric Neurology, 2021, 122, 119-121. | 2.1 | 0 |