

# Paul B Colditz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5462881/publications.pdf>

Version: 2024-02-01

225  
papers

8,161  
citations

71102

41  
h-index

62596

80  
g-index

232  
all docs

232  
docs citations

232  
times ranked

8553  
citing authors

#	ARTICLE	IF	CITATIONS
1	Do women with pre-eclampsia, and their babies, benefit from magnesium sulphate? The Magpie Trial: a randomised placebo-controlled trial. <i>Lancet, The</i> , 2002, 359, 1877-1890.	13.7	1,311
2	Effect of DHA Supplementation During Pregnancy on Maternal Depression and Neurodevelopment of Young Children. <i>JAMA - Journal of the American Medical Association</i> , 2010, 304, 1675.	7.4	462
3	Oxygen Saturation and Outcomes in Preterm Infants. <i>New England Journal of Medicine</i> , 2013, 368, 2094-2104.	27.0	424
4	Neurodevelopmental Outcomes of Preterm Infants Fed High-Dose Docosahexaenoic Acid. <i>JAMA - Journal of the American Medical Association</i> , 2009, 301, 175.	7.4	329
5	Delayed versus Immediate Cord Clamping in Preterm Infants. <i>New England Journal of Medicine</i> , 2017, 377, 2445-2455.	27.0	228
6	A computer-aided detection of EEG seizures in infants: a singular-spectrum approach and performance comparison. <i>IEEE Transactions on Biomedical Engineering</i> , 2002, 49, 455-462.	4.2	121
7	Prevention of Gestational Diabetes. <i>Diabetes Care</i> , 2010, 33, 1457-1459.	8.6	120
8	Seizure detection algorithm for neonates based on wave-sequence analysis. <i>Clinical Neurophysiology</i> , 2006, 117, 1190-1203.	1.5	119
9	Preprocessing and time-frequency analysis of newborn EEG seizures. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2001, 20, 30-39.	0.8	110
10	Seizures are associated with brain injury severity in a neonatal model of hypoxia-ischemia. <i>Neuroscience</i> , 2010, 166, 157-167.	2.3	110
11	Altered white matter diffusion anisotropy in normal and preterm infants at term-equivalent age. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 761-767.	3.0	109
12	Glial glutamate transporter expression patterns in brains from multiple mammalian species. <i>Glia</i> , 2005, 49, 520-541.	4.9	108
13	Cytoskeletal Anchoring of GLAST Determines Susceptibility to Brain Damage. <i>Journal of Biological Chemistry</i> , 2007, 282, 29414-29423.	3.4	105
14	Post-insult minocycline treatment attenuates hypoxia-ischemia-induced neuroinflammation and white matter injury in the neonatal rat: a comparison of two different dose regimens. <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 477-485.	1.6	105
15	Review: The blood-brain barrier; protecting the developing fetal brain. <i>Placenta</i> , 2017, 54, 111-116.	1.5	100
16	Body Composition From Birth to 4.5 Months in Infants Born to Non-Obese Women. <i>Pediatric Research</i> , 2010, 68, 84-88.	2.3	88
17	School-age Outcomes of Very Preterm Infants After Antenatal Treatment With Magnesium Sulfate vs Placebo. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 1105.	7.4	88
18	Neurodevelopmental outcomes at 7 years' corrected age in preterm infants who were fed high-dose docosahexaenoic acid to term equivalent: a follow-up of a randomised controlled trial. <i>BMJ Open</i> , 2015, 5, e007314-e007314.	1.9	84

#	ARTICLE	IF	CITATIONS
19	Prediction of fat-free mass and percentage of body fat in neonates using bioelectrical impedance analysis and anthropometric measures: validation against the PEA POD. <i>British Journal of Nutrition</i> , 2012, 107, 1545-1552.	2.3	74
20	EEG background features that predict outcome in term neonates with hypoxic ischaemic encephalopathy: A structured review. <i>Clinical Neurophysiology</i> , 2016, 127, 285-296.	1.5	74
21	Measuring Time-Varying Information Flow in Scalp EEG Signals: Orthogonalized Partial Directed Coherence. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 680-693.	4.2	70
22	A Pig Model of the Preterm Neonate: Anthropometric and Physiological Characteristics. <i>PLoS ONE</i> , 2013, 8, e68763.	2.5	69
23	Spatial patterning of the neonatal EEG suggests a need for a high number of electrodes. <i>NeuroImage</i> , 2013, 68, 229-235.	4.2	64
24	Review: Neuroinflammation in intrauterine growth restriction. <i>Placenta</i> , 2017, 54, 117-124.	1.5	64
25	Parenting and Prematurity: Understanding Parent Experience and Preferences for Support. <i>Journal of Child and Family Studies</i> , 2014, 23, 1050-1061.	1.3	61
26	Loss of glial glutamate transporters and induction of neuronal expression of GLT-1B in the hypoxic neonatal pig brain. <i>Developmental Brain Research</i> , 2004, 153, 1-11.	1.7	60
27	Fetal pulse oximetry for fetal assessment in labour. <i>The Cochrane Library</i> , 2014, 2014, CD004075.	2.8	60
28	Infant autonomic function is altered by maternal smoking during pregnancy. <i>Early Human Development</i> , 2000, 59, 209-218.	1.8	56
29	The effect of intrapartum fetal pulse oximetry, in the presence of a nonreassuring fetal heart rate pattern, on operative delivery rates: A multicenter, randomized, controlled trial (the FOREMOST). <i>TJ ETQq1 1 0.7843134 rgBT /6x verlock</i>	1.4	56
30	Are parenting interventions effective in improving the relationship between mothers and their preterm infants?. , 2014, 37, 131-154.		56
31	Depression, posttraumatic stress and relationship distress in parents of very preterm infants. <i>Archives of Women's Mental Health</i> , 2018, 21, 445-451.	2.6	54
32	Neonatal EEG at scalp is focal and implies high skull conductivity in realistic neonatal head models. <i>NeuroImage</i> , 2014, 96, 73-80.	4.2	53
33	Nonlinear nonstationary Wiener model of infant EEG seizures. <i>IEEE Transactions on Biomedical Engineering</i> , 2002, 49, 556-564.	4.2	52
34	Fixel-based analysis reveals alterations in brain microstructure and macrostructure of preterm-born infants at term equivalent age. <i>NeuroImage: Clinical</i> , 2018, 18, 51-59.	2.7	52
35	Intrapartum fetal scalp lactate sampling for fetal assessment in the presence of a non-reassuring fetal heart rate trace. <i>The Cochrane Library</i> , 2015, 2015, CD006174.	2.8	51
36	Noninvasive measurement of cerebral bioimpedance for detection of cerebral edema in the neonatal piglet. <i>Brain Research</i> , 2002, 945, 97-105.	2.2	50

#	ARTICLE	IF	CITATIONS
37	Hypoxic/Ischemic models in newborn piglet: Comparison of constant FiO2 versus variable FiO2 delivery. <i>Brain Research</i> , 2006, 1100, 110-117.	2.2	49
38	Diffusion MRI of the neonate brain: acquisition, processing and analysis techniques. <i>Pediatric Radiology</i> , 2012, 42, 1169-1182.	2.0	48
39	Morphological changes in white matter astrocytes in response to hypoxia/ischemia in the neonatal pig. <i>Brain Research</i> , 2010, 1319, 164-174.	2.2	46
40	Ibuprofen inhibits neuroinflammation and attenuates white matter damage following hypoxia-ischemia in the immature rodent brain. <i>Brain Research</i> , 2011, 1402, 9-19.	2.2	45
41	The Breathing for Life Trial: a randomised controlled trial of fractional exhaled nitric oxide (FENO)-based management of asthma during pregnancy and its impact on perinatal outcomes and infant and childhood respiratory health. <i>BMC Pregnancy and Childbirth</i> , 2016, 16, 111.	2.4	45
42	An improved survival model of hypoxia/ischaemia in the piglet suitable for neuroprotection studies. <i>Brain Research</i> , 2001, 919, 122-131.	2.2	44
43	Use of the Ages and Stages Questionnaire to predict outcome after hypoxic-ischaemic encephalopathy in the neonate. <i>Journal of Paediatrics and Child Health</i> , 2008, 44, 590-595.	0.8	44
44	Magnetic resonance diffusion tractography of the preterm infant brain: a systematic review. <i>Developmental Medicine and Child Neurology</i> , 2014, 56, 113-124.	2.1	44
45	Cerebral impedance and neurological outcome following a mild or severe hypoxic/ischemic episode in neonatal piglets. <i>Brain Research</i> , 2003, 969, 160-167.	2.2	43
46	Fetal pulse oximetry for fetal assessment in labour. , 2007, , CD004075.		42
47	Neuropathology in intrauterine growth restricted newborn piglets is associated with glial activation and proinflammatory status in the brain. <i>Journal of Neuroinflammation</i> , 2019, 16, 5.	7.2	42
48	Predicting motor outcome in preterm infants from very early brain diffusion MRI using a deep learning convolutional neural network (CNN) model. <i>NeuroImage</i> , 2020, 215, 116807.	4.2	41
49	Determinants of Body Fat in Infants of Women With Gestational Diabetes Mellitus Differ With Fetal Sex. <i>Diabetes Care</i> , 2011, 34, 2581-2585.	8.6	40
50	Anetoderma of prematurity in association with electrocardiographic electrodes. <i>Journal of the American Academy of Dermatology</i> , 1999, 41, 479-481.	1.2	39
51	Erythropoietin protects against apoptosis and increases expression of non-neuronal cell markers in the hypoxia-injured developing brain. <i>Journal of Pathology</i> , 2011, 224, 101-109.	4.5	39
52	Effect of infusion rate of indomethacin on cerebrovascular responses in preterm neonates.. <i>Archives of Disease in Childhood</i> , 1989, 64, 8-12.	1.9	37
53	Fluctuations in syringe-pump infusions: association with blood pressure variations in infants. <i>American Journal of Health-System Pharmacy</i> , 1995, 52, 1646-1653.	1.0	37
54	Rapid loss of glutamine synthetase from astrocytes in response to hypoxia: Implications for excitotoxicity. <i>Journal of Chemical Neuroanatomy</i> , 2010, 39, 211-220.	2.1	37

#	ARTICLE	IF	CITATIONS
55	Pre- and post-term growth in pre-term infants supplemented with higher-dose DHA: a randomised controlled trial. <i>British Journal of Nutrition</i> , 2011, 105, 1635-1643.	2.3	37
56	Update on intrapartum fetal pulse oximetry. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2002, 42, 119-124.	1.0	36
57	Measurement of extracellular fluid volume in the neonate using multiple frequency bio-impedance analysis. <i>Physiological Measurement</i> , 2000, 21, 251-262.	2.1	35
58	Increased progression to kidney fibrosis after erythropoietin is used as a treatment for acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F681-F692.	2.7	35
59	Selective Losses of Brainstem Catecholamine Neurons After Hypoxia-Ischemia in the Immature Rat Pup. <i>Pediatric Research</i> , 2008, 63, 364-369.	2.3	34
60	Automated cotâ€side tracking of functional brain age in preterm infants. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 891-902.	3.7	33
61	Intrauterine growth restriction due to uteroplacental vascular insufficiency leads to increased hypoxia-induced cerebral apoptosis in newborn piglets. <i>Brain Research</i> , 2006, 1098, 19-25.	2.2	32
62	Structural remodeling of gray matter astrocytes in the neonatal pig brain after hypoxia/ischemia. <i>Glia</i> , 2010, 58, 181-194.	4.9	32
63	Intrapartum fetal scalp lactate sampling for fetal assessment in the presence of a non-reassuring fetal heart rate trace. , 2010, , CD006174.		32
64	Passive detection of accelerometer-recorded fetal movements using a timeâ€frequency signal processing approach. , 2014, 25, 134-155.		32
65	Validation of an MRI Brain Injury and Growth Scoring System in Very Preterm Infants Scanned at 29- to 35-Week Postmenstrual Age. <i>American Journal of Neuroradiology</i> , 2017, 38, 1435-1442.	2.4	32
66	Prematurity and parental self-efficacy: The Preterm Parenting & Self-Efficacy Checklist. , 2012, 35, 678-688.		31
67	GLAST1b, the exon-9 skipping form of the glutamate-aspartate transporter EAAT1 is a sensitive marker of neuronal dysfunction in the hypoxic brain. <i>Neuroscience</i> , 2007, 149, 434-445.	2.3	30
68	Assessment of Structural Connectivity in the Preterm Brain at Term Equivalent Age Using Diffusion MRI and T2 Relaxometry: A Network-Based Analysis. <i>PLoS ONE</i> , 2013, 8, e68593.	2.5	29
69	EFFICACY OF PREVENTATIVE PARENTING INTERVENTIONS FOR PARENTS OF PRETERM INFANTS ON LATER CHILD BEHAVIOR: A SYSTEMATIC REVIEW AND METAâ€ANALYSIS. <i>Infant Mental Health Journal</i> , 2014, 35, 630-641.	1.8	29
70	PPREMO: a prospective cohort study of preterm infant brain structure and function to predict neurodevelopmental outcome. <i>BMC Pediatrics</i> , 2015, 15, 123.	1.7	29
71	MAP2 provides reliable early assessment of neural injury in the newborn piglet model of birth asphyxia. <i>Journal of Neuroscience Methods</i> , 2008, 171, 140-146.	2.5	28
72	Long-term losses of amygdala corticotropin-releasing factor neurons are associated with behavioural outcomes following neonatal hypoxia-ischemia. <i>Behavioural Brain Research</i> , 2010, 208, 609-618.	2.2	28

#	ARTICLE	IF	CITATIONS
73	Relationship between very early brain structure and neuromotor, neurological and neurobehavioral function in infants born <math>\leq</math>31 weeks gestational age. <i>Early Human Development</i> , 2018, 117, 74-82.	1.8	28
74	Brain region-specific studies of the excitatory behavioral effects of morphine-3-glucuronide. <i>Life Sciences</i> , 1999, 65, 225-236.	4.3	27
75	Analysis of the time-varying cortical neural connectivity in the newborn EEG: A time-frequency approach. , 2011, , .		27
76	Phosphorylation of GFAP is Associated with Injury in the Neonatal Pig Hypoxic-Ischemic Brain. <i>Neurochemical Research</i> , 2012, 37, 2364-2378.	3.3	27
77	Human fetal intrapartum oxygen saturation monitoring: Agreement between readings from two sensors on the same fetus. <i>American Journal of Obstetrics and Gynecology</i> , 1996, 174, 1594-1598.	1.3	26
78	A Nonlinear Model of Newborn EEG with Nonstationary Inputs. <i>Annals of Biomedical Engineering</i> , 2010, 38, 3010-3021.	2.5	26
79	Ibuprofen Treatment Reduces the Neuroinflammatory Response and Associated Neuronal and White Matter Impairment in the Growth Restricted Newborn. <i>Frontiers in Physiology</i> , 2019, 10, 541.	2.8	26
80	Adenovirus type 7 infections in children in new South Wales, Australia. <i>Journal of Medical Virology</i> , 1989, 29, 28-32.	5.0	25
81	Short-Term Dose-Response Characteristics of 2-Iminobiotin Immediately Postinsult in the Neonatal Piglet After Hypoxia-Ischemia. <i>Stroke</i> , 2013, 44, 809-811.	2.0	25
82	Effect of Treatment of Clinical Seizures vs Electrographic Seizures in Full-Term and Near-Term Neonates. <i>JAMA Network Open</i> , 2021, 4, e2139604.	5.9	25
83	The variable appearances of fetal gallstones. <i>Journal of Ultrasound in Medicine</i> , 1992, 11, 579-585.	1.7	24
84	Parents' evaluation of developmental status in children born with a birthweight of 1250 g or less. <i>Journal of Paediatrics and Child Health</i> , 2005, 41, 191-196.	0.8	24
85	A time-frequency based approach for generalized phase synchrony assessment in nonstationary multivariate signals. , 2013, 23, 780-790.		24
86	Air pollution and sudden infant death syndrome: a literature review. <i>Paediatric and Perinatal Epidemiology</i> , 2004, 18, 327-335.	1.7	23
87	Perioperative predictors of developmental outcome following cardiac surgery in infancy. <i>Cardiology in the Young</i> , 2004, 14, 389-395.	0.8	23
88	Prem Baby Triple P: a randomised controlled trial of enhanced parenting capacity to improve developmental outcomes in preterm infants. <i>BMC Pediatrics</i> , 2015, 15, 15.	1.7	23
89	Subgaleal haemorrhage in the newborn: A call for early diagnosis and aggressive management. <i>Journal of Paediatrics and Child Health</i> , 2015, 51, 140-146.	0.8	23
90	Using skin for drug delivery and diagnosis in the critically ill. <i>Advanced Drug Delivery Reviews</i> , 2014, 77, 40-49.	13.7	22

#	ARTICLE	IF	CITATIONS
91	Clinical tools used in young infants born very preterm to predict motor and cognitive delay (not) Tj ETQq1 1 0.784314 rgBT /Qyerlock 10	2.1	22
92	Fetal Oxygen Saturation Monitoring in Labour: An Analysis of 118 Cases. Australian and New Zealand Journal of Obstetrics and Gynaecology, 1997, 37, 397-401.	1.0	21
93	Increased cerebral lactate during hypoxia may be neuroprotective in newborn piglets with intrauterine growth restriction. Brain Research, 2007, 1179, 79-88.	2.2	21
94	Kalman filter-based time-varying cortical connectivity analysis of newborn EEG. , 2011, 2011, 1423-6.		21
95	Neonatal seizures are associated with redistribution and loss of <scp>GABA<sub>A</sub></scp> ï±â€subunits in theÂhypoxicâ€ischaemic pig. Journal of Neurochemistry, 2016, 139, 471-484.	3.9	21
96	Women's evaluations of their experience with fetal intrapartum oxygen saturation monitoring and participation in a research project. Midwifery, 1996, 12, 93-97.	2.3	20
97	NSE and S100 after Hypoxia in the Newborn Pig. Pediatric Research, 2005, 58, 953-957.	2.3	20
98	Folic Acid Supplementation and Spontaneous Preterm Birth: Adding Crust to the Mill?. PLoS Medicine, 2009, 6, e1000077.	8.4	20
99	Differential effects of neonatal hypoxicâ€ischemic brain injury on brainstem serotonergic raphe nuclei. Brain Research, 2010, 1322, 124-133.	2.2	20
100	GABAAreceptor expression and white matter disruption in intrauterine growth restricted piglets. International Journal of Developmental Neuroscience, 2017, 59, 1-9.	1.6	20
101	Background EEG features and prediction of cognitive outcomes in very preterm infants: A systematic review. Early Human Development, 2018, 127, 74-84.	1.8	20
102	Fetal Pulse Oximetry: Instrumentation and Recent Clinical Experience. Clinics in Perinatology, 1999, 26, 869-880.	2.1	19
103	Maturation of Corpus Callosum Anterior Midbody Is Associated with Neonatal Motor Function in Eight Preterm-Born Infants. Neural Plasticity, 2013, 2013, 1-7.	2.2	19
104	Electronic fetal heart rate monitoring during labour: does it prevent perinatal asphyxia and cerebral palsy?. Medical Journal of Australia, 1990, 153, 88-90.	1.7	19
105	Intrapartum Oximetry of the Fetus. Anesthesia and Analgesia, 2007, 105, S59-S65.	2.2	18
106	Accelerometer-based fetal movement detection. , 2011, 2011, 7877-80.		18
107	Women's Evaluations of Their Experience in a Multicenter Randomized Controlled Trial of Intrapartum Fetal Pulse Oximetry (The FOREMOST Trial). Birth, 2006, 33, 101-109.	2.2	17
108	Vibroacoustic stimulation for fetal assessment in labour in the presence of a nonreassuring fetal heart rate trace. The Cochrane Library, 2013, , CD004664.	2.8	17

#	ARTICLE	IF	CITATIONS
109	Early prediction of typical outcome and mild developmental delay for prioritisation of service delivery for very preterm and very low birthweight infants: a study protocol. <i>BMJ Open</i> , 2016, 6, e010726.	1.9	17
110	Mother-Very Preterm Infant Relationship Quality: RCT of Baby Triple P. <i>Journal of Child and Family Studies</i> , 2017, 26, 284-295.	1.3	17
111	Diagnostic accuracy of early magnetic resonance imaging to determine motor outcomes in infants born preterm: a systematic review and meta-analysis. <i>Developmental Medicine and Child Neurology</i> , 2018, 60, 134-146.	2.1	17
112	A Randomized Trial of Baby Triple P for Preterm Infants: Child Outcomes at 2 Years of Corrected Age. <i>Journal of Pediatrics</i> , 2019, 210, 48-54.e2.	1.8	17
113	A novel multivariate phase synchrony measure: Application to multichannel newborn EEG analysis. , 2019, 84, 59-68.		17
114	Brain microstructure and morphology of very preterm-born infants at term equivalent age: Associations with motor and cognitive outcomes at 1 and 2 years. <i>NeuroImage</i> , 2020, 221, 117163.	4.2	17
115	Scientific evidence supporting folic acid fortification of flour in Australia and New Zealand. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2004, 70, 838-841.	1.6	16
116	Vibroacoustic stimulation for fetal assessment in labour in the presence of a nonreassuring fetal heart rate trace. , 2005, , CD004664.		16
117	PREMM: preterm early massage by the mother: protocol of a randomised controlled trial of massage therapy in very preterm infants. <i>BMC Pediatrics</i> , 2016, 16, 146.	1.7	16
118	Inotropes do not increase cardiac output or cerebral blood flow in preterm piglets. <i>Pediatric Research</i> , 2016, 80, 870-879.	2.3	16
119	Effect of Maternal Epidural Analgesia on Fetal Intrapartum Oxygen Saturation. <i>American Journal of Perinatology</i> , 2002, 19, 119-126.	1.4	15
120	Time-frequency characterization of tri-axial accelerometer data for fetal movement detection. , 2011, , .		15
121	Instantaneous frequency based newborn EEG seizure characterisation. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012, 2012, .	1.7	15
122	Fontanelle pressure and cerebral perfusion pressure. <i>Critical Care Medicine</i> , 1988, 16, 876-879.	0.9	14
123	Prem Baby Triple P a new parenting intervention for parents of infants born very preterm: Acceptability and barriers. , 2011, 34, 602-609.		14
124	Six-week postnatal depression predicts parenting stress profiles in mothers of preterm children. <i>Journal of Reproductive and Infant Psychology</i> , 2012, 30, 303-311.	1.8	14
125	Effective implementation of time-frequency matched filter with adapted pre and postprocessing for data-dependent detection of newborn seizures. <i>Medical Engineering and Physics</i> , 2013, 35, 1762-1769.	1.7	14
126	Therapeutic potential to reduce brain injury in growth restricted newborns. <i>Journal of Physiology</i> , 2018, 596, 5675-5686.	2.9	14



#	ARTICLE	IF	CITATIONS
127	Fetal Oxygen Saturation and Uterine Contractions During Labor. American Journal of Perinatology, 1998, 15, 345-349.	1.4	13
128	S-Adenosyl-methionine restores photoreceptor function following acute retinal ischemia. Visual Neuroscience, 2009, 26, 429-441.	1.0	13
129	Automated detection of perinatal hypoxia using time-frequency-based heart rate variability features. Medical and Biological Engineering and Computing, 2014, 52, 183-191.	2.8	13
130	Biomedical applications of electrical impedance analysis. , 0, , .		12
131	Time-varying statistical dimension analysis with application to newborn scalp EEG seizure signals. Medical Engineering and Physics, 2002, 24, 1-8.	1.7	12
132	Developmental Expression and Distribution of GABA <sub>A</sub> Receptor $\alpha$ 1, $\alpha$ 3 and $\beta$ 2-Subunits in Pig Brain. Developmental Neuroscience, 2011, 33, 99-109.	2.0	12
133	Continuous cerebral electrical impedance monitoring in sick preterm infants. European Journal of Pediatrics, 1990, 149, 428-431.	2.7	11
134	Electrical impedance plethysmography: Its use in studying the cerebral circulation of the rabbit. Medical and Biological Engineering and Computing, 1993, 31, 39-42.	2.8	11
135	Effect of cooling and re-warming on cerebral and whole body electrical impedance. Physiological Measurement, 2004, 25, 413-420.	2.1	11
136	Associations between serum cortisol, cardiovascular function and neurological outcome following acute global hypoxia in the newborn piglet. Stress, 2009, 12, 294-304.	1.8	11
137	Detecting fetal movements using non-invasive accelerometers: A preliminary analysis. , 2010, , .		11
138	Perfluorocarbon Dosing when Starting Partial Liquid Ventilation: Haemodynamics and Cerebral Blood Flow in Preterm Lambs. Neonatology, 2010, 97, 144-153.	2.0	11
139	A passive DSP approach to fetal movement detection for monitoring fetal health. , 2012, , .		11
140	Safety of EEG-fMRI recordings in newborn infants at 3T: A study using a baby-size phantom. Clinical Neurophysiology, 2014, 125, 941-946.	1.5	11
141	Seizures Are Associated with Blood-Brain Barrier Disruption in a Piglet Model of Neonatal Hypoxic-Ischaemic Encephalopathy. Developmental Neuroscience, 2018, 40, 560-575.	2.0	11
142	Body composition in very preterm infants before discharge is associated with macronutrient intake. British Journal of Nutrition, 2020, 123, 800-806.	2.3	11
143	Prediction of childhood brain outcomes in infants born preterm using neonatal MRI and concurrent clinical biomarkers (PREBO-6): study protocol for a prospective cohort study. BMJ Open, 2020, 10, e036480.	1.9	11
144	Early Gut Microbiota Colonisation of Premature Infants Fed with Breastmilk or Formula with or without Probiotics: A Cohort Study. Nutrients, 2021, 13, 4068.	4.1	11

#	ARTICLE	IF	CITATIONS
145	Automatic seizure detection based on the combination of newborn multi-channel EEG and HRV information. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012, 2012, .	1.7	10
146	Non-invasive monitoring of fetal movements using time-frequency features of accelerometry. , 2014, , .		10
147	Fetal Oxygen Saturation During Maternal Bearing Down Efforts in the Second Stage of Labor. <i>American Journal of Perinatology</i> , 1998, 15, 121-124.	1.4	9
148	Digital processing of EEG signals. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2001, 20, 21-22.	0.8	9
149	Rebreathing potential of infant mattresses and bedcovers. <i>Journal of Paediatrics and Child Health</i> , 2002, 38, 192-195.	0.8	9
150	A cost-effectiveness analysis of the intrapartum fetal pulse oximetry multicentre randomised controlled trial (the FOREMOST trial). <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2006, 113, 1080-1087.	2.3	9
151	Orthogonalized Partial Directed Coherence for Functional Connectivity Analysis of Newborn EEG. <i>Lecture Notes in Computer Science</i> , 2012, , 683-691.	1.3	9
152	Risk determinants in early intervention use during the first postnatal year in children born very preterm. <i>BMC Pediatrics</i> , 2013, 13, 201.	1.7	9
153	Early clinical and MRI biomarkers of cognitive and motor outcomes in very preterm born infants. <i>Pediatric Research</i> , 2021, 90, 1243-1250.	2.3	9
154	Early Motor Repertoire of Very Preterm Infants and Relationships with 2-Year Neurodevelopment. <i>Journal of Clinical Medicine</i> , 2022, 11, 1833.	2.4	9
155	Update on intrapartum fetal pulse oximetry. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2002, 42, 23-28.	1.0	8
156	Parental experiences and preferences which influence subsequent use of post-discharge health services for children born very preterm. <i>Journal of Paediatrics and Child Health</i> , 2008, 44, 281-284.	0.8	8
157	Prediction of outcome following hypoxia/ischaemia in the human infant using cerebral impedance. <i>Clinical Neurophysiology</i> , 2009, 120, 225-230.	1.5	8
158	Generalised phase synchrony within multivariate signals: An emerging concept in time-frequency analysis. , 2012, , .		8
159	Endogenous angiotensins and catecholamines do not reduce skin blood flow or prevent hypotension in preterm piglets. <i>Physiological Reports</i> , 2014, 2, e12245.	1.7	8
160	Neurovascular Unit Alterations in the Growth-Restricted Newborn Are Improved Following Ibuprofen Treatment. <i>Molecular Neurobiology</i> , 2022, 59, 1018-1040.	4.0	8
161	Cardiac responses to mild hypoxic hypercapnia in newborn babies: No effect of sleep position. <i>Journal of Paediatrics and Child Health</i> , 2000, 36, 462-465.	0.8	7
162	Multichannel-Based Newborn EEG Seizure Detection using Time-Frequency Matched Filter. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 1265-8.	0.5	7

#	ARTICLE	IF	CITATIONS
163	The <sc>MRI</sc>â€compatible neonatal incubator in practice. Journal of Paediatrics and Child Health, 2013, 49, E377-80.	0.8	7
164	Single group multisite safety trial of sibling cord blood cell infusion to children with cerebral palsy: study protocol and rationale. BMJ Open, 2020, 10, e034974.	1.9	7
165	Longitudinal Analysis of Lung Function in Pregnant Women with and without Asthma. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 1578-1585.e3.	3.8	7
166	Tyrosinaemia II. Medical Journal of Australia, 1984, 141, 244-245.	1.7	7
167	Combination of human endothelial colony-forming cells and mesenchymal stromal cells exert neuroprotective effects in the growth-restricted newborn. Npj Regenerative Medicine, 2021, 6, 75.	5.2	7
168	Doppler ultrasound signal analysis based on the TMS320 signal processor. Journal of Biomedical Engineering, 1988, 10, 127-129.	0.7	6
169	Clinicians' evaluations of fetal oximetry sensor placement in a multicentre randomised trial (the Tj ETQq1 1 0.784314 rgBT /Overlock 234-239.	1.0	6
170	Effect of the dose volume of perfluorocarbon when starting partial liquid ventilation. Journal of Paediatrics and Child Health, 2010, 46, 714-722.	0.8	6
171	Classification of fetal movement accelerometry through time-frequency features. , 2014, , .		6
172	Reduced blood volume decreases cerebral blood flow in preterm piglets. Journal of Physiology, 2018, 596, 6033-6041.	2.9	6
173	Docosahexaenoic acid supplementation of preterm infants and parent-reported symptoms of allergic disease at 7 years corrected age: follow-up of a randomized controlled trial. American Journal of Clinical Nutrition, 2019, 109, 1600-1610.	4.7	6
174	Effect of Delayed Cord Clamping on Cerebral Oxygenation in Very Preterm Infants. Neonatology, 2019, 115, 13-20.	2.0	6
175	Clinicians' perceptions of placing a fetal oximetry sensor. Journal of Quality in Clinical Practice, 2000, 20, 161-163.	0.5	5
176	Developmental Changes in Expression of GABA&lt;sub>A</sub> Receptor Subunits $\alpha$ 1&lt;sub>1</sub>, $\alpha$ 2&lt;sub>2</sub>, and $\alpha$ 3&lt;sub>3</sub> in the Pig Brain. Developmental Neuroscience, 2017, 39, 375-385.	2.0	5
177	Henoch-Sch&Auml;nlein purpura â€” a surgical review. Journal of Paediatrics and Child Health, 1984, 20, 13-16.	0.8	4
178	Time-varying dimension analysis of EEG using adaptive principal component analysis and model selection. , 2000, , .		4
179	Neonatal Seizure Detection and Localization using Time-Frequency Analysis of Multichannel EEG. , 2007, , .		4
180	Neurodevelopmental Outcomes of Preterm Infants Fed High-Dose Docosahexaenoic Acid: A Randomized Controlled Trial. Obstetrical and Gynecological Survey, 2009, 64, 297-298.	0.4	4

#	ARTICLE	IF	CITATIONS
181	What is the optimal frequency range for quantifying slow EEG activity in neonates? Insights from power spectra. <i>Clinical Neurophysiology</i> , 2018, 129, 143-144.	1.5	4
182	Safety of sibling cord blood cell infusion for children with cerebral palsy. <i>Cytotherapy</i> , 2022, 24, 931-939.	0.7	4
183	Electroencephalographic studies in growth-restricted and small-for-gestational-age neonates. <i>Pediatric Research</i> , 2022, 92, 1527-1534.	2.3	4
184	Neonatal EEG seizure detection using a new signal structural complexity measure based on matching pursuit decomposition with nonstationary dictionary. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 224, 107014.	4.7	4
185	Time-varying statistical complexity measures with application to EEG analysis and segmentation. , 0, , .		3
186	Newborn EEG seizure pattern characterisation using time-frequency analysis. , 0, , .		3
187	Influence of EEG artifacts on detecting neonatal seizure. , 2010, , .		3
188	Performance evaluation of multi-component instantaneous frequency estimation techniques for heart rate variability analysis. , 2012, , .		3
189	Predominant slow EEG activity in healthy neonates: Transient thalamo-cortical dysrhythmia?. <i>Clinical Neurophysiology</i> , 2017, 128, 233-234.	1.5	3
190	A spatio-temporal atlas of neonatal diffusion MRI based on kernel ridge regression. , 2017, , .		3
191	PREDICTING ATTENDANCE OF A PREVENTIVE PARENTING INTERVENTION FOR VERY PRETERM INFANTS. <i>Infant Mental Health Journal</i> , 2018, 39, 699-706.	1.8	3
192	Delayed Versus Immediate Cord Clamping in Preterm Infants. <i>Obstetrical and Gynecological Survey</i> , 2018, 73, 265-266.	0.4	3
193	Combined hypothermia and mesenchymal stem cells in animal models of neonatal hypoxic-ischaemic encephalopathy: a systematic review. <i>Pediatric Research</i> , 2022, 92, 25-31.	2.3	3
194	A cost-effectiveness analysis of the intrapartum fetal pulse oximetry multicentre randomized controlled trial (the FOREMOST trial). <i>American Journal of Obstetrics and Gynecology</i> , 2005, 193, S101.	1.3	2
195	Women's evaluations of their experience in a multicenter randomized controlled trial of intrapartum fetal pulse oximetry (the FOREMOST trial). <i>American Journal of Obstetrics and Gynecology</i> , 2005, 193, S102.	1.3	2
196	Robust Time-Frequency Analysis of Newborn EEG Seizure Corrupted by Impulsive Artefacts. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 11-4.	0.5	2
197	Measuring sensorineural disability in preterm children using a public health screening strategy: A randomised controlled trial. <i>Journal of Paediatrics and Child Health</i> , 2008, 44, 424-431.	0.8	2
198	Detection of neonatal seizure using multiple filters. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
199	Signal processing applications in clinical newborn medicine to improve health outcomes. , 2010, , .		2
200	EEG amplitude and correlation spatial decay analysis for neonatal head modelling. , 2012, , .		2
201	Detection of perinatal hypoxia using time-frequency analysis of heart rate variability signals. , 2013, , .		2
202	Cerebral blood flow is not affected during perfluorocarbon dosing with volume-controlled ventilation. Journal of Paediatrics and Child Health, 2013, 49, 1010-1018.	0.8	2
203	Can signal processing help prevent brain damage in the newborn?. , 0, , .		1
204	Apnoea and bronchiolitis due to respiratory syncytial virus. Journal of Paediatrics and Child Health, 1982, 18, 53-54.	0.8	1
205	Electronic Fetal Heart Rate Monitoring During Labour. Obstetrical and Gynecological Survey, 1991, 46, 271-272.	0.4	1
206	Indigenous neonatal outcomes: What do we expect?. Journal of Paediatrics and Child Health, 2002, 38, 4-5.	0.8	1
207	The effect of intrapartum fetal pulse oximetry, in the presence of a non-reassuring fetal heart rate pattern, on operative delivery rates: A multicenter randomized controlled trial (the FOREMOST trial). American Journal of Obstetrics and Gynecology, 2005, 193, S33.	1.3	1
208	Newborn EEG seizure detection using optimized time-frequency matched filter. , 2007, , .		1
209	A new neonatal seizure detection technique based on the time-frequency characteristics of the electroencephalogram. , 2007, , .		1
210	Generalized Mean Phase Coherence for asynchrony abnormality detection in multichannel newborn EEG. , 2012, , .		1
211	Detection of neonatal EEG burst-suppression using a time-frequency approach. , 2014, , .		1
212	Baby Triple P for Parents of a Very Preterm Infant: A Case Study. Journal of Child and Family Studies, 2017, 26, 633-642.	1.3	1
213	Identification and expression of a unique neonatal variant of the GABAA receptor $\alpha 3$ subunit. Brain Structure and Function, 2018, 223, 1025-1033.	2.3	1
214	The effects of perfluorocarbon dosing strategy on cerebral blood flow when starting partial liquid ventilation: A randomized, controlled, experimental study. Open Journal of Pediatrics, 2012, 02, 197-213.	0.1	1
215	Oscillations in Cardiovascular Function During Acute Hypoxia in the Newborn Piglet Are Associated With Less Neurological Damage and Occur More Frequently in Females. Pediatric Research, 2009, 65, 504-508.	2.3	1
216	Missing out on precious time: Extending paid parental leave for parents of babies admitted to neonatal intensive or special care units for prolonged periods. Journal of Paediatrics and Child Health, 2021, , .	0.8	1

#	ARTICLE	IF	CITATIONS
217	Predictors of Maternal Bonding and Responsiveness for Mothers of Very Preterm Infants. Journal of Clinical Psychology in Medical Settings, 2022, , 1.	1.4	1
218	Brain outcomes in runted piglets: a translational model of fetal growth restriction. Developmental Neuroscience, 2022, , .	2.0	1
219	Alarm settings for the Marquette 8000 pulse oximeter to prevent hyperoxic and hypoxic episodes. Journal of Paediatrics and Child Health, 1999, 35, 159-162.	0.8	0
220	The role of C5a in reproductive impairment in the mouse and human. Molecular Immunology, 2008, 45, 4150.	2.2	0
221	161 Prenatal Nicotine Exposure Increases the Risk of Neonatal Apnea -A National Birth-Cohort Study. Pediatric Research, 2010, 68, 84-85.	2.3	0
222	Neonatal hypoxic-ischaemic encephalopathy: what lies ahead?. Developmental Medicine and Child Neurology, 2014, 56, 1033-1033.	2.1	0
223	Reply:. American Journal of Neuroradiology, 2018, 39, E40-E41.	2.4	0
224	Automating Quantitative Measures of an Established Conventional MRI Scoring System for Preterm-Born Infants Scanned between 29 and 47 Weeksâ€™ Postmenstrual Age. American Journal of Neuroradiology, 2021, 42, 1870-1877.	2.4	0
225	Targeting inflammation to reduce brain injury in growth restricted newborns: A potential treatment?. Neural Regeneration Research, 2017, 12, 1804.	3.0	0