

Paul B Colditz

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214
papers

6,184
citations

36
h-index

71
g-index

232
ext. papers

7,241
ext. citations

4.8
avg, IF

5.51
L-index

#	Paper	IF	Citations
214	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, 1877-90	40	1013
213	Effect of DHA supplementation during pregnancy on maternal depression and neurodevelopment of young children: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , 2010 , 304, 1675-83	27.4	376
212	Oxygen saturation and outcomes in preterm infants. <i>New England Journal of Medicine</i> , 2013 , 368, 2094-1042	19.2	326
211	Neurodevelopmental outcomes of preterm infants fed high-dose docosahexaenoic acid: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , 2009 , 301, 175-82	27.4	266
210	Delayed versus Immediate Cord Clamping in Preterm Infants. <i>New England Journal of Medicine</i> , 2017 , 377, 2445-2455	59.2	156
209	Seizure detection algorithm for neonates based on wave-sequence analysis. <i>Clinical Neurophysiology</i> , 2006 , 117, 1190-203	4.3	110
208	Prevention of gestational diabetes: feasibility issues for an exercise intervention in obese pregnant women. <i>Diabetes Care</i> , 2010 , 33, 1457-9	14.6	105
207	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, 455-62	5	103
206	Glial glutamate transporter expression patterns in brains from multiple mammalian species. <i>Glia</i> , 2005 , 49, 520-41	9	96
205	Seizures are associated with brain injury severity in a neonatal model of hypoxia-ischemia. <i>Neuroscience</i> , 2010 , 166, 157-67	3.9	94
204	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, 477-85	2.7	94
203	Altered white matter diffusion anisotropy in normal and preterm infants at term-equivalent age. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 761-7	4.4	94
202	Cytoskeletal anchoring of GLAST determines susceptibility to brain damage: an identified role for GFAP. <i>Journal of Biological Chemistry</i> , 2007 , 282, 29414-23	5.4	88
201	Preprocessing and time-frequency analysis of newborn EEG seizures. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2001 , 20, 30-9		72
200	Body composition from birth to 4.5 months in infants born to non-obese women. <i>Pediatric Research</i> , 2010 , 68, 84-8	3.2	71
199	Review: The blood-brain barrier; protecting the developing fetal brain. <i>Placenta</i> , 2017 , 54, 111-116	3.4	70
198	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	3	64

197	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, 1545-52	3.6	57
196	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, 1105-13	27.4	56
195	Measuring time-varying information flow in scalp EEG signals: orthogonalized partial directed coherence. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 680-93	5	55
194	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		55
193	Spatial patterning of the neonatal EEG suggests a need for a high number of electrodes. <i>NeuroImage</i> , 2013 , 68, 229-35	7.9	53
192	A pig model of the preterm neonate: anthropometric and physiological characteristics. <i>PLoS ONE</i> , 2013 , 8, e68763	3.7	52
191	EEG background features that predict outcome in term neonates with hypoxic ischaemic encephalopathy: A structured review. <i>Clinical Neurophysiology</i> , 2016 , 127, 285-296	4.3	50
190	Infant autonomic function is altered by maternal smoking during pregnancy. <i>Early Human Development</i> , 2000 , 59, 209-18	2.2	50
189	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 trial). <i>American Journal of Obstetrics and Gynecology</i> , 2006 , 194, 606.e1-16	6.4	46
188	Parenting and Prematurity: Understanding Parent Experience and Preferences for Support. <i>Journal of Child and Family Studies</i> , 2014 , 23, 1050-1061	2.3	44
187	Review: Neuroinflammation in intrauterine growth restriction. <i>Placenta</i> , 2017 , 54, 117-124	3.4	43
186	Nonlinear nonstationary Wiener model of infant EEG seizures. <i>IEEE Transactions on Biomedical Engineering</i> , 2002 , 49, 556-64	5	43
185	Are parenting interventions effective in improving the relationship between mothers and their preterm infants?. <i>Research in Social and Administrative Pharmacy</i> , 2014 , 37, 131-54	2.9	42
184	Hypoxic/Ischemic models in newborn piglet: comparison of constant FiO ₂ versus variable FiO ₂ delivery. <i>Brain Research</i> , 2006 , 1100, 110-7	3.7	41
183	Neonatal EEG at scalp is focal and implies high skull conductivity in realistic neonatal head models. <i>NeuroImage</i> , 2014 , 96, 73-80	7.9	40
182	Diffusion MRI of the neonate brain: acquisition, processing and analysis techniques. <i>Pediatric Radiology</i> , 2012 , 42, 1169-82	2.8	40
181	Noninvasive measurement of cerebral bioimpedance for detection of cerebral edema in the neonatal piglet. <i>Brain Research</i> , 2002 , 945, 97-105	3.7	40
180	Cerebral impedance and neurological outcome following a mild or severe hypoxic/ischemic episode in neonatal piglets. <i>Brain Research</i> , 2003 , 969, 160-7	3.7	40

179	Ibuprofen inhibits neuroinflammation and attenuates white matter damage following hypoxia-ischemia in the immature rodent brain. <i>Brain Research</i> , 2011 , 1402, 9-19	3.7	38
178	Morphological changes in white matter astrocytes in response to hypoxia/ischemia in the neonatal pig. <i>Brain Research</i> , 2010 , 1319, 164-74	3.7	36
177	Fetal pulse oximetry for fetal assessment in labour. <i>Cochrane Database of Systematic Reviews</i> , 2007 , CD004075	3.6	
176	An improved survival model of hypoxia/ischaemia in the piglet suitable for neuroprotection studies. <i>Brain Research</i> , 2001 , 919, 122-31	3.7	36
175	Magnetic resonance diffusion tractography of the preterm infant brain: a systematic review. <i>Developmental Medicine and Child Neurology</i> , 2014 , 56, 113-24	3.3	35
174	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, 590-5	1.3	35
173	Determinants of body fat in infants of women with gestational diabetes mellitus differ with fetal sex. <i>Diabetes Care</i> , 2011 , 34, 2581-5	14.6	34
172	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, 101-9	9.4	33
171	Rapid loss of glutamine synthetase from astrocytes in response to hypoxia: implications for excitotoxicity. <i>Journal of Chemical Neuroanatomy</i> , 2010 , 39, 211-20	3.2	32
170	Effect of infusion rate of indomethacin on cerebrovascular responses in preterm neonates. <i>Archives of Disease in Childhood</i> , 1989 , 64, 8-12	2.2	32
169	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	3.2	32
168	Selective losses of brainstem catecholamine neurons after hypoxia-ischemia in the immature rat pup. <i>Pediatric Research</i> , 2008 , 63, 364-9	3.2	31
167	Anetoderma of prematurity in association with electrocardiographic electrodes. <i>Journal of the American Academy of Dermatology</i> , 1999 , 41, 479-81	4.5	31
166	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	3.7	30
165	Update on intrapartum fetal pulse oximetry. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2002 , 42, 119-24	1.7	30
164	Measurement of extracellular fluid volume in the neonate using multiple frequency bio-impedance analysis. <i>Physiological Measurement</i> , 2000 , 21, 251-62	2.9	30
163	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, F681-92	4.3	29
162	Intrapartum fetal scalp lactate sampling for fetal assessment in the presence of a non-reassuring fetal heart rate trace. <i>Cochrane Database of Systematic Reviews</i> , 2010 , CD006174		29

161	Passive detection of accelerometer-recorded fetal movements using a time-frequency signal processing approach 2014 , 25, 134-155		28
160	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	5.3	27
159	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, 1635-43	3.6	27
158	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, 434-45	3.9	27
157	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, 609-18	3.4	26
156	Fetal pulse oximetry for fetal assessment in labour. <i>The Cochrane Library</i> , 2014 , CD004075	5.2	25
155	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	3.7	25
154	Structural remodeling of gray matter astrocytes in the neonatal pig brain after hypoxia/ischemia. <i>Glia</i> , 2010 , 58, 181-94	9	25
153	Fluctuations in syringe-pump infusions: association with blood pressure variations in infants. <i>American Journal of Health-System Pharmacy</i> , 1995 , 52, 1646-53	2.2	25
152	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, 1594-8	6.4	25
151	Depression, posttraumatic stress and relationship distress in parents of very preterm infants. <i>Archives of Women's Mental Health</i> , 2018 , 21, 445-451	5	24
150	MAP2 provides reliable early assessment of neural injury in the newborn piglet model of birth asphyxia. <i>Journal of Neuroscience Methods</i> , 2008 , 171, 140-6	3	24
149	Efficacy of preventative parenting interventions for parents of preterm infants on later child behavior: a systematic review and meta-analysis. <i>Infant Mental Health Journal</i> , 2014 , 35, 630-41	2.3	22
148	Phosphorylation of GFAP is associated with injury in the neonatal pig hypoxic-ischemic brain. <i>Neurochemical Research</i> , 2012 , 37, 2364-78	4.6	22
147	A nonlinear model of newborn EEG with nonstationary inputs. <i>Annals of Biomedical Engineering</i> , 2010 , 38, 3010-21	4.7	22
146	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	4.4	21
145	Relationship between very early brain structure and neuromotor, neurological and neurobehavioral function in infants born . <i>Early Human Development</i> , 2018 , 117, 74-82	2.2	21
144	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 , CD006174	5.2	21

143	Fetal oxygen saturation monitoring in labour: an analysis of 118 cases. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 1997 , 37, 397-401	1.7	21
142	Adenovirus type 7 infections in children in New South Wales, Australia. <i>Journal of Medical Virology</i> , 1989 , 29, 28-32	19.7	21
141	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	7.9	20
140	Reevaluation of developmental status in children born with a birthweight of 1250 g or less. <i>Journal of Paediatrics and Child Health</i> , 2005 , 41, 191-6	1.3	20
139	Subgaleal haemorrhage in the newborn: A call for early diagnosis and aggressive management. <i>Journal of Paediatrics and Child Health</i> , 2015 , 51, 140-6	1.3	19
138	PPREMO: a prospective cohort study of preterm infant brain structure and function to predict neurodevelopmental outcome. <i>BMC Pediatrics</i> , 2015 , 15, 123	2.6	19
137	Perioperative predictors of developmental outcome following cardiac surgery in infancy. <i>Cardiology in the Young</i> , 2004 , 14, 389-95	1	19
136	Brain region-specific studies of the excitatory behavioral effects of morphine-3-glucuronide. <i>Life Sciences</i> , 1999 , 65, 225-36	6.8	19
135	Women's evaluations of their experience with fetal intrapartum oxygen saturation monitoring and participation in a research project. <i>Midwifery</i> , 1996 , 12, 93-7	2.8	19
134	The variable appearances of fetal gallstones. <i>Journal of Ultrasound in Medicine</i> , 1992 , 11, 579-85	2.9	19
133	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	10.1	19
132	A time-frequency based approach for generalized phase synchrony assessment in nonstationary multivariate signals 2013 , 23, 780-790		18
131	Maturation of corpus callosum anterior midbody is associated with neonatal motor function in eight preterm-born infants. <i>Neural Plasticity</i> , 2013 , 2013, 359532	3.3	18
130	Increased cerebral lactate during hypoxia may be neuroprotective in newborn piglets with intrauterine growth restriction. <i>Brain Research</i> , 2007 , 1179, 79-88	3.7	18
129	Prematurity and parental self-efficacy: the Preterm Parenting & Self-Efficacy Checklist. <i>Research in Social and Administrative Pharmacy</i> , 2012 , 35, 678-88	2.9	17
128	Differential effects of neonatal hypoxic-ischemic brain injury on brainstem serotonergic raphe nuclei. <i>Brain Research</i> , 2010 , 1322, 124-33	3.7	17
127	Fetal Pulse Oximetry: Instrumentation and Recent Clinical Experience. <i>Clinics in Perinatology</i> , 1999 , 26, 869-880	2.8	17
126	Intrapartum oximetry of the fetus. <i>Anesthesia and Analgesia</i> , 2007 , 105, S59-S65	3.9	16

125	Air pollution and sudden infant death syndrome: a literature review. <i>Paediatric and Perinatal Epidemiology</i> , 2004 , 18, 327-35	2.7	16
124	GABA receptor expression and white matter disruption in intrauterine growth restricted piglets. <i>International Journal of Developmental Neuroscience</i> , 2017 , 59, 1-9	2.7	15
123	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	2.6	15
122	Using skin for drug delivery and diagnosis in the critically ill. <i>Advanced Drug Delivery Reviews</i> , 2014 , 77, 40-9	18.5	15
121	Short-term dose-response characteristics of 2-iminobiotin immediately postinsult in the neonatal piglet after hypoxia-ischemia. <i>Stroke</i> , 2013 , 44, 809-11	6.7	15
120	Kalman filter-based time-varying cortical connectivity analysis of newborn EEG. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 1423-6	0.9	15
119	Analysis of the time-varying cortical neural connectivity in the newborn EEG: A time-frequency approach 2011 ,		15
118	Women's evaluations of their experience in a multicenter randomized controlled trial of intrapartum fetal pulse oximetry (The FOREMOST Trial). <i>Birth</i> , 2006 , 33, 101-9	3.1	15
117	Electronic fetal heart rate monitoring during labour: does it prevent perinatal asphyxia and cerebral palsy?. <i>Medical Journal of Australia</i> , 1990 , 153, 88-90	4	15
116	Accelerometer-based fetal movement detection. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 7877-80	0.9	14
115	Vibroacoustic stimulation for fetal assessment in labour in the presence of a nonreassuring fetal heart rate trace. <i>Cochrane Database of Systematic Reviews</i> , 2005 , CD004664		14
114	Neonatal seizures are associated with redistribution and loss of GABA β subunits in the hypoxic-ischaemic pig. <i>Journal of Neurochemistry</i> , 2016 , 139, 471-484	6	14
113	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	4.6	13
112	Folic acid supplementation and spontaneous preterm birth: adding grist to the mill?. <i>PLoS Medicine</i> , 2009 , 6, e1000077	11.6	13
111	NSE and S100 after hypoxia in the newborn pig. <i>Pediatric Research</i> , 2005 , 58, 953-7	3.2	13
110	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, 838-41		13
109	Fetal oxygen saturation and uterine contractions during labor. <i>American Journal of Perinatology</i> , 1998 , 15, 345-9	3.3	13
108	Automated detection of perinatal hypoxia using time-frequency-based heart rate variability features. <i>Medical and Biological Engineering and Computing</i> , 2014 , 52, 183-91	3.1	12

107	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	2.9	12
106	Time-frequency characterization of tri-axial accelerometer data for fetal movement detection 2011		12
105	Effect of maternal epidural analgesia on fetal intrapartum oxygen saturation. <i>American Journal of Perinatology</i> , 2002 , 19, 119-26	3.3	12
104	Fontanelle pressure and cerebral perfusion pressure: continuous measurement in neonates. <i>Critical Care Medicine</i> , 1988 , 16, 876-9	1.4	12
103	Inotropes do not increase cardiac output or cerebral blood flow in preterm piglets. <i>Pediatric Research</i> , 2016 , 80, 870-879	3.2	12
102	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	3.3	12
101	Safety of EEG-fMRI recordings in newborn infants at 3T: a study using a baby-size phantom. <i>Clinical Neurophysiology</i> , 2014 , 125, 941-6	4.3	11
100	Instantaneous frequency based newborn EEG seizure characterisation. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012 , 2012,	1.9	11
99	Prem Baby Triple P a new parenting intervention for parents of infants born very preterm: acceptability and barriers. <i>Research in Social and Administrative Pharmacy</i> , 2011 , 34, 602-9	2.9	11
98	S-adenosyl-L-methionine restores photoreceptor function following acute retinal ischemia. <i>Visual Neuroscience</i> , 2009 , 26, 429-41	1.7	11
97	A novel multivariate phase synchrony measure: Application to multichannel newborn EEG analysis 2019 , 84, 59-68		11
96	Mother-Very Preterm Infant Relationship Quality: RCT of Baby Triple P. <i>Journal of Child and Family Studies</i> , 2017 , 26, 284-295	2.3	10
95	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	3	10
94	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, 1762-9	2.4	10
93	Vibroacoustic stimulation for fetal assessment in labour in the presence of a nonreassuring fetal heart rate trace. <i>The Cochrane Library</i> , 2013 , CD004664	5.2	10
92	Associations between serum cortisol, cardiovascular function and neurological outcome following acute global hypoxia in the newborn piglet. <i>Stress</i> , 2009 , 12, 294-304	3	10
91	Time-varying statistical dimension analysis with application to newborn scalp EEG seizure signals. <i>Medical Engineering and Physics</i> , 2002 , 24, 1-8	2.4	10
90	Electrical impedance plethysmography: its use in studying the cerebral circulation of the rabbit. <i>Medical and Biological Engineering and Computing</i> , 1993 , 31, 39-42	3.1	10

89	Continuous cerebral electrical impedance monitoring in sick preterm infants. <i>European Journal of Pediatrics</i> , 1990 , 149, 428-31	4.1	10
88	Automated cot-side tracking of functional brain age in preterm infants. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 891-902	5.3	9
87	Developmental expression and distribution of GABA(A) receptor α -, β - and δ -subunits in pig brain. <i>Developmental Neuroscience</i> , 2011 , 33, 99-109	2.2	9
86	Perfluorocarbon dosing when starting partial liquid ventilation: haemodynamics and cerebral blood flow in preterm lambs. <i>Neonatology</i> , 2010 , 97, 144-53	4	9
85	Effect of cooling and re-warming on cerebral and whole body electrical impedance. <i>Physiological Measurement</i> , 2004 , 25, 413-20	2.9	9
84	Fetal oxygen saturation during maternal bearing down efforts in the second stage of labor. <i>American Journal of Perinatology</i> , 1998 , 15, 121-4	3.3	9
83	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	2.6	9
82	Non-invasive monitoring of fetal movements using time-frequency features of accelerometry 2014 ,		8
81	Rebreathing potential of infant mattresses and bedcovers. <i>Journal of Paediatrics and Child Health</i> , 2002 , 38, 192-5	1.3	8
80	Background EEG features and prediction of cognitive outcomes in very preterm infants: A systematic review. <i>Early Human Development</i> , 2018 , 127, 74-84	2.2	8
79	Detecting fetal movements using non-invasive accelerometers: A preliminary analysis 2010 ,		7
78	Prediction of outcome following hypoxia/ischaemia in the human infant using cerebral impedance. <i>Clinical Neurophysiology</i> , 2009 , 120, 225-30	4.3	7
77	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, 281-4	1.3	7
76	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, 1080-7	3.7	7
75	Tyrosinaemia II. <i>Medical Journal of Australia</i> , 1984 , 141, 244-5	4	7
74	Body composition in very preterm infants before discharge is associated with macronutrient intake. <i>British Journal of Nutrition</i> , 2020 , 123, 800-806	3.6	7
73	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	7.9	7
72	Clinical tools used in young infants born very preterm to predict motor and cognitive delay (not cerebral palsy): a systematic review. <i>Developmental Medicine and Child Neurology</i> , 2021 , 63, 387-395	3.3	7

71	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	3.6	6
70	Therapeutic potential to reduce brain injury in growth restricted newborns. <i>Journal of Physiology</i> , 2018 , 596, 5675-5686	3.9	6
69	Risk determinants in early intervention use during the first postnatal year in children born very preterm. <i>BMC Pediatrics</i> , 2013 , 13, 201	2.6	6
68	A passive DSP approach to fetal movement detection for monitoring fetal health 2012 ,		6
67	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		6
66	Clinicians' Reevaluations of fetal oximetry sensor placement in a multicentre randomised trial (the FOREMOST trial). <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2006 , 46, 234-9	1.7	6
65	Cardiac responses to mild hypoxic hypercapnia in newborn babies: no effect of sleep position. <i>Journal of Paediatrics and Child Health</i> , 2000 , 36, 462-5	1.3	6
64	Doppler ultrasound signal analysis based on the TMS320 signal processor. <i>Journal of Biomedical Engineering</i> , 1988 , 10, 127-9		6
63	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. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 1600-1610	7	5
62	Endogenous angiotensins and catecholamines do not reduce skin blood flow or prevent hypotension in preterm piglets. <i>Physiological Reports</i> , 2014 , 2, e12245	2.6	5
61	The MRI-compatible neonatal incubator in practice. <i>Journal of Paediatrics and Child Health</i> , 2013 , 49, E377-80	1.3	5
60	Clinicians' Perceptions of placing a fetal oximetry sensor. <i>Journal of Quality in Clinical Practice</i> , 2000 , 20, 161-3		5
59	Biomedical applications of electrical impedance analysis		5
58	Effect of Delayed Cord Clamping on Cerebral Oxygenation in Very Preterm Infants. <i>Neonatology</i> , 2019 , 115, 13-20	4	5
57	Seizures Are Associated with Blood-Brain Barrier Disruption in a Piglet Model of Neonatal Hypoxic-Ischaemic Encephalopathy. <i>Developmental Neuroscience</i> , 2019 , 1-16	2.2	5
56	Developmental Changes in Expression of GABAA Receptor Subunits $\alpha 1$, $\alpha 2$, and β in the Pig Brain. <i>Developmental Neuroscience</i> , 2017 , 39, 375-385	2.2	4
55	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. <i>BMJ Open</i> , 2020 , 10, e036480	3.8	4
54	Effect of the dose volume of perfluorocarbon when starting partial liquid ventilation. <i>Journal of Paediatrics and Child Health</i> , 2010 , 46, 714-22	1.3	4

53	Generalised phase synchrony within multivariate signals: An emerging concept in time-frequency analysis 2012 ,		4
52	Orthogonalized Partial Directed Coherence for Functional Connectivity Analysis of Newborn EEG. <i>Lecture Notes in Computer Science</i> , 2012 , 683-691	0.9	4
51	Effect of Treatment of Clinical Seizures vs Electrographic Seizures in Full-Term and Near-Term Neonates: A Randomized Clinical Trial.. <i>JAMA Network Open</i> , 2021 , 4, e2139604	10.4	4
50	Reduced blood volume decreases cerebral blood flow in preterm piglets. <i>Journal of Physiology</i> , 2018 , 596, 6033-6041	3.9	3
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