

Ela Chakkarapani

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

1,189
citations

17
h-index

33
g-index

70
ext. papers

1,434
ext. citations

4.1
avg, IF

4.24
L-index

#	Paper	IF	Citations
56	Regulation of glutamate transport and neuroinflammation in a term newborn rat model of hypoxic-ischaemic brain injury. <i>Brain and Neuroscience Advances</i> , 2022 , 6, 239821282210975	4	
55	Motor function and white matter connectivity in children cooled for neonatal encephalopathy. <i>NeuroImage: Clinical</i> , 2021 , 32, 102872	5.3	0
54	MRI combined with early clinical variables are excellent outcome predictors for newborn infants undergoing therapeutic hypothermia after perinatal asphyxia. <i>EClinicalMedicine</i> , 2021 , 36, 100885	11.3	3
53	Morphine and fentanyl exposure during therapeutic hypothermia does not impair neurodevelopment. <i>EClinicalMedicine</i> , 2021 , 36, 100892	11.3	6
52	Challenges in respiratory management during therapeutic hypothermia for neonatal encephalopathy. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021 , 26, 101263	3.7	2
51	An Age-Specific Atlas for Delineation of White Matter Pathways in Children Aged 6-8 Years. <i>Brain Connectivity</i> , 2021 ,	2.7	1
50	Neuronal let-7b-5p acts through the Hippo-YAP pathway in neonatal encephalopathy. <i>Communications Biology</i> , 2021 , 4, 1143	6.7	1
49	Disrupted brain connectivity in children treated with therapeutic hypothermia for neonatal encephalopathy. <i>NeuroImage: Clinical</i> , 2021 , 30, 102582	5.3	5
48	Closed circuit xenon delivery for 72h in neonatal piglets following hypoxic insult using an ambient pressure automated control system: Development, technical evaluation and pulmonary effects. <i>PLoS ONE</i> , 2020 , 15, e0224447	3.7	0
47	Fifteen-minute consultation: Therapeutic hypothermia for infants with hypoxic ischaemic encephalopathy-translating jargon, prognosis and uncertainty for parents. <i>Archives of Disease in Childhood: Education and Practice Edition</i> , 2020 , 105, 75-83	0.5	1
46	School-age outcomes of children without cerebral palsy cooled for neonatal hypoxic-ischaemic encephalopathy in 2008-2010. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020 , 105, 8-13	4.7	24
45	Glutamate Transport and Preterm Brain Injury. <i>Frontiers in Physiology</i> , 2019 , 10, 417	4.6	24
44	Motor performance and cognitive correlates in children cooled for neonatal encephalopathy without cerebral palsy at school age. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019 , 108, 1773-1780	3.1	14
43	Attention and visuo-spatial function in children without cerebral palsy who were cooled for neonatal encephalopathy: a case-control study. <i>Brain Injury</i> , 2019 , 33, 894-898	2.1	7
42	Real-Time Measurement of Xenon Concentration in a Binary Gas Mixture Using a Modified Ultrasonic Time-of-Flight Anesthesia Gas Flowmeter: A Technical Feasibility Study. <i>Anesthesia and Analgesia</i> , 2019 , 129, 985-990	3.9	3
41	Characteristic MR Imaging Findings of the Neonatal Brain in RASopathies. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1146-1152	4.4	8
40	Managing hypoxic ischaemic encephalopathy in term newborn infant. <i>Paediatrics and Child Health (United Kingdom)</i> , 2018 , 28, 399-404	0.6	1

39	Fentanyl Induces Cerebellar Internal Granular Cell Layer Apoptosis in Healthy Newborn Pigs. <i>Frontiers in Neurology</i> , 2018 , 9, 294	4.1	8
38	Feasibility of a Miniature Esophageal Heat Exchange Device for Rapid Therapeutic Cooling in Newborns: Preliminary Investigations in a Piglet Model. <i>Therapeutic Hypothermia and Temperature Management</i> , 2018 , 8, 36-44	1.3	2
37	Survey of nutritional practices during therapeutic hypothermia for hypoxic-ischaemic encephalopathy. <i>BMJ Paediatrics Open</i> , 2017 , 1, e000022	2.4	8
36	Association of Prenatal Diagnosis of Critical Congenital Heart Disease With Postnatal Brain Development and the Risk of Brain Injury. <i>JAMA Pediatrics</i> , 2016 , 170, e154450	8.3	72
35	Reliability of Early Magnetic Resonance Imaging (MRI) and Necessity of Repeating MRI in Noncooled and Cooled Infants With Neonatal Encephalopathy. <i>Journal of Child Neurology</i> , 2016 , 31, 553-9 ⁵	2.5	15
34	Low plasma magnesium is associated with impaired brain metabolism in neonates with hypoxic-ischaemic encephalopathy. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016 , 105, 1067-73	2.7	2
33	Minimal systemic hypothermia combined with selective head cooling evaluated in a pig model of hypoxia-ischemia. <i>Pediatric Research</i> , 2015 , 77, 674-80	3.2	5
32	Oral glucose during targeted neonatal echocardiography: is it useful?. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2015 , 100, F374-5	4.7	3
31	The feasibility of using a portable xenon delivery device to permit earlier xenon ventilation with therapeutic cooling of neonates during ambulance retrieval. <i>Anesthesia and Analgesia</i> , 2015 , 120, 1331-6 ⁹	3.9	14
30	A Randomized Controlled Trial of the Use of Oral Glucose with or without Gentle Facilitated Tucking of Infants during Neonatal Echocardiography. <i>PLoS ONE</i> , 2015 , 10, e0141015	3.7	6
29	The Newborn Pig Global Hypoxic-Ischemic Model of Perinatal Brain and Organ Injury. <i>Neuromethods</i> , 2015 , 171-189	0.4	0
28	Differential Tiam1/Rac1 activation in hippocampal and cortical neurons mediates differential spine shrinkage in response to oxygen/glucose deprivation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 1898-906	7.3	13
27	Xenon ventilation during therapeutic hypothermia in neonatal encephalopathy: a feasibility study. <i>Pediatrics</i> , 2014 , 133, 809-18	7.4	79
26	Therapeutic hypothermia delays the C-reactive protein response and suppresses white blood cell and platelet count in infants with neonatal encephalopathy. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014 , 99, F458-63	4.7	25
25	Effect of cardiac compressions and hypothermia treatment on cardiac troponin I in newborns with perinatal asphyxia. <i>Resuscitation</i> , 2013 , 84, 1562-7	4	22
24	Effects of xenon and hypothermia on cerebrovascular pressure reactivity in newborn global hypoxic-ischemic pig model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 1752-60	7.3	13
23	Xenon offers stable haemodynamics independent of induced hypothermia after hypoxia-ischaemia in newborn pigs. <i>Intensive Care Medicine</i> , 2012 , 38, 316-23	14.5	23
22	Early deterioration of cerebrospinal fluid dynamics in a neonatal piglet model of intraventricular hemorrhage and posthemorrhagic ventricular dilation. <i>Journal of Neurosurgery: Pediatrics</i> , 2012 , 10, 529-37 ¹	3.7	17

21	Factors Influencing Initiation of Therapeutic Hypothermia and Achieving Target Temperature in Neonatal Encephalopathy. <i>Pediatric Research</i> , 2011 , 70, 160-160	3.2	
20	Neonatal rat model of intraventricular haemorrhage and post-haemorrhagic ventricular dilatation with long-term survival into adulthood. <i>Neuropathology and Applied Neurobiology</i> , 2011 , 37, 156-65	5.2	19
19	Environmental cooling of the newborn pig brain during whole-body cooling. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2011 , 100, 29-35	3.1	2
18	Preliminary evaluation of a novel intraparenchymal capacitive intracranial pressure monitor. <i>Journal of Neurosurgery</i> , 2011 , 115, 561-9	3.2	13
17	Multivariate analyses of factors that affect neonatal screening thyroid stimulating hormone. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2011 , 24, 727-32	1.6	15
16	A comparison of cooling methods used in therapeutic hypothermia for perinatal asphyxia. <i>Pediatrics</i> , 2010 , 126, e124-30	7.4	42
15	Lactate dehydrogenase predicts hypoxic ischaemic encephalopathy in newborn infants: a preliminary study. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2010 , 99, 1139-44	3.1	42
14	Xenon enhances hypothermic neuroprotection in asphyxiated newborn pigs. <i>Annals of Neurology</i> , 2010 , 68, 330-41	9.4	110
13	Development of amplitude-integrated electroencephalography and interburst interval in the rat. <i>Pediatric Research</i> , 2009 , 65, 62-6	3.2	38
12	Serum gentamicin concentrations in encephalopathic infants are not affected by therapeutic hypothermia. <i>Pediatrics</i> , 2009 , 124, 310-5	7.4	50
11	Therapeutic hypothermia: surgical infant with neonatal encephalopathy. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2009 , 98, 1844-6	3.1	5
10	Cooling combined with immediate or delayed xenon inhalation provides equivalent long-term neuroprotection after neonatal hypoxia-ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 707-14	7.3	129
9	A closed-circuit neonatal xenon delivery system: a technical and practical neuroprotection feasibility study in newborn pigs. <i>Anesthesia and Analgesia</i> , 2009 , 109, 451-60	3.9	43
8	Facial submandibular cellulitis-adenitis in a preterm infant. <i>BMJ Case Reports</i> , 2009 , 2009, bcr2006108589.9		
7	Re: Factors affecting occipito-frontal circumference measurement in preterm infants. <i>Journal of Paediatrics and Child Health</i> , 2008 , 44, 236	1.3	
6	Xenon and hypothermia combine additively, offering long-term functional and histopathologic neuroprotection after neonatal hypoxia/ischemia. <i>Stroke</i> , 2008 , 39, 1307-13	6.7	190
5	Delayed hypothermia as selective head cooling or whole body cooling does not protect brain or body in newborn pig subjected to hypoxia-ischemia. <i>Pediatric Research</i> , 2008 , 64, 74-8	3.2	50
4	Superior sternal cleft, cutaneous, and airway haemangiomas. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2007 , 92, F3	4.7	4

3	Facial submandibular cellulitis-adenitis in a preterm infant. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2007 , 92, F153	4-7	4
2	Delay in screening premature infants for congenital hypothyroidism. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2006 , 91, F465-6	4-7	1
1	Peak expiratory flow rate in children--a ready reckoner. <i>Indian Pediatrics</i> , 2002 , 39, 104-6	1-2	3