

Ela Chakkarapani

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,599
citations

411340

20
h-index

355658

38
g-index

70
all docs

70
docs citations

70
times ranked

1800
citing authors

#	ARTICLE	IF	CITATIONS
1	An Age-Specific Atlas for Delineation of White Matter Pathways in Children Aged 6â€“8 Years. <i>Brain Connectivity</i> , 2022, 12, 402-416.	0.8	4
2	Therapeutic hypothermia for neonatal encephalopathy: importance of early management. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2022, 107, 2-3.	1.4	0
3	â€“Opportunity to bond and a sense of normalityâ€™: Parent and staff views of cuddling babies undergoing therapeutic hypothermia in neonatal intensive care: â€“CoolCuddleâ€™. <i>Health Expectations</i> , 2022, 25, 1384-1392.	1.1	3
4	Regulation of glutamate transport and neuroinflammation in a term newborn rat model of hypoxicâ€“ischaemic brain injury. <i>Brain and Neuroscience Advances</i> , 2022, 6, 239821282210975.	1.8	1
5	Therapeutic hypothermia and outcome in hyponatraemic encephalopathy secondary to maternal water intoxication. <i>BMJ Case Reports</i> , 2021, 14, e237213.	0.2	1
6	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.	3.2	23
7	Morphine and fentanyl exposure during therapeutic hypothermia does not impair neurodevelopment. <i>EClinicalMedicine</i> , 2021, 36, 100892.	3.2	16
8	Challenges in respiratory management during therapeutic hypothermia for neonatal encephalopathy. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021, 26, 101263.	1.1	7
9	Neuronal let-7b-5p acts through the Hippo-YAP pathway in neonatal encephalopathy. <i>Communications Biology</i> , 2021, 4, 1143.	2.0	4
10	Disrupted brain connectivity in children treated with therapeutic hypothermia for neonatal encephalopathy. <i>NeuroImage: Clinical</i> , 2021, 30, 102582.	1.4	16
11	Motor function and white matter connectivity in children cooled for neonatal encephalopathy. <i>NeuroImage: Clinical</i> , 2021, 32, 102872.	1.4	9
12	Physiological responses to cuddling babies with hypoxicâ€“ischaemic encephalopathy during therapeutic hypothermia: an observational study. <i>BMJ Paediatrics Open</i> , 2021, 5, e001280.	0.6	2
13	Cognitive and behavioural outcomes: are they impaired in children without cerebral palsy following neonatal hypoxicâ€“ischaemic encephalopathy?. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2020, 109, 11-13.	0.7	3
14	School-age outcomes of children without cerebral palsy cooled for neonatal hypoxicâ€“ischaemic encephalopathy in 2008â€“2010. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 8-13.	1.4	59
15	Fifteen-minute consultation: Therapeutic hypothermia for infants with hypoxic ischaemic encephalopathyâ€“translating jargon, prognosis and uncertainty for parents. <i>Archives of Disease in Childhood: Education and Practice Edition</i> , 2020, 105, 75-83.	0.3	4
16	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.	1.1	1
17	Real-Time Measurement of Xenon Concentration in a Binary Gas Mixture Using a Modified Ultrasonic Time-of-Flight Anesthesia Gas Flowmeter. <i>Anesthesia and Analgesia</i> , 2019, 129, 985-990.	1.1	3
18	Glutamate Transport and Preterm Brain Injury. <i>Frontiers in Physiology</i> , 2019, 10, 417.	1.3	40

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19	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.	0.7	30
20	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.	0.6	21
21	Characteristic MR Imaging Findings of the Neonatal Brain in RASopathies. <i>American Journal of Neuroradiology</i> , 2018, 39, 1146-1152.	1.2	12
22	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.	0.3	3
23	Managing hypoxic ischaemic encephalopathy in term newborn infant. <i>Paediatrics and Child Health (United Kingdom)</i> , 2018, 28, 399-404.	0.2	1
24	Fentanyl Induces Cerebellar Internal Granular Cell Layer Apoptosis in Healthy Newborn Pigs. <i>Frontiers in Neurology</i> , 2018, 9, 294.	1.1	16
25	Preterm Infant with Congenital Tracheal Diverticulum in the Presence of Esophageal Atresia and Tracheoesophageal Fistula. <i>Journal of Neonatal Surgery</i> , 2018, 7, 44.	0.1	0
26	Survey of nutritional practices during therapeutic hypothermia for hypoxic-ischaemic encephalopathy. <i>BMJ Paediatrics Open</i> , 2017, 1, e000022.	0.6	21
27	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, 1067-1073.	0.7	4
28	Cooled infants with encephalopathy: are heavier infants with weaker heart at a cutaneous disadvantage?. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 996-998.	0.7	2
29	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.	3.3	117
30	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, 553-559.	0.7	22
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, 1331-1336.	1.1	18
32	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.	1.1	8
33	Minimal systemic hypothermia combined with selective head cooling evaluated in a pig model of hypoxia-ischemia. <i>Pediatric Research</i> , 2015, 77, 674-680.	1.1	6
34	Oral glucose during targeted neonatal echocardiography: is it useful?: Table A1. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2015, 100, F374-F375.	1.4	3
35	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, 1898-1906.	2.4	20
36	Xenon Ventilation During Therapeutic Hypothermia in Neonatal Encephalopathy: A Feasibility Study. <i>Pediatrics</i> , 2014, 133, 809-818.	1.0	90

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37	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-F463.	1.4	37
38	Effect of cardiac compressions and hypothermia treatment on cardiac troponin I in newborns with perinatal asphyxia. <i>Resuscitation</i> , 2013, 84, 1562-1567.	1.3	25
39	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, 1752-1760.	2.4	14
40	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, 529-537.	0.8	18
41	Xenon offers stable haemodynamics independent of induced hypothermia after hypoxia-ischaemia in newborn pigs. <i>Intensive Care Medicine</i> , 2012, 38, 316-323.	3.9	25
42	Factors Influencing Initiation of Therapeutic Hypothermia and Achieving Target Temperature in Neonatal Encephalopathy. <i>Pediatric Research</i> , 2011, 70, 160-160.	1.1	0
43	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, 156-165.	1.8	23
44	Environmental cooling of the newborn pig brain during whole-body cooling. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2011, 100, 29-35.	0.7	2
45	Preliminary evaluation of a novel intraparenchymal capacitive intracranial pressure monitor. <i>Journal of Neurosurgery</i> , 2011, 115, 561-569.	0.9	14
46	Multivariate analyses of factors that affect neonatal screening thyroid stimulating hormone. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2011, 24, 727-32.	0.4	25
47	Lactate dehydrogenase predicts hypoxic ischaemic encephalopathy in newborn infants: a preliminary study. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2010, 99, 1139-1144.	0.7	51
48	Xenon enhances hypothermic neuroprotection in asphyxiated newborn pigs. <i>Annals of Neurology</i> , 2010, 68, 330-341.	2.8	130
49	A Comparison of Cooling Methods Used in Therapeutic Hypothermia for Perinatal Asphyxia. <i>Pediatrics</i> , 2010, 126, e124-e130.	1.0	47
50	Development of Amplitude-Integrated Electroencephalography and Interburst Interval in the Rat. <i>Pediatric Research</i> , 2009, 65, 62-66.	1.1	47
51	Serum Gentamicin Concentrations in Encephalopathic Infants are Not Affected by Therapeutic Hypothermia. <i>Pediatrics</i> , 2009, 124, 310-315.	1.0	59
52	Therapeutic hypothermia: surgical infant with neonatal encephalopathy. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2009, 98, 1844-1846.	0.7	5
53	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, 707-714.	2.4	146
54	A Closed-Circuit Neonatal Xenon Delivery System: A Technical and Practical Neuroprotection Feasibility Study in Newborn Pigs. <i>Anesthesia and Analgesia</i> , 2009, 109, 451-460.	1.1	48

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55	Facial submandibular cellulitis-adenitis in a preterm infant. BMJ Case Reports, 2009, 2009, bcr2006108589-bcr2006108589.	0.2	0
56	Letters to the Editor. Journal of Paediatrics and Child Health, 2008, 44, 236-236.	0.4	0
57	Xenon and Hypothermia Combine Additively, Offering Long-Term Functional and Histopathologic Neuroprotection After Neonatal Hypoxia/Ischemia. Stroke, 2008, 39, 1307-1313.	1.0	218
58	Delayed Hypothermia as Selective Head Cooling or Whole Body Cooling Does Not Protect Brain or Body in Newborn Pig Subjected to Hypoxia-Ischemia. Pediatric Research, 2008, 64, 74-80.	1.1	58
59	Superior sternal cleft, cutaneous, and airway haemangiomas. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2007, 92, F3-F3.	1.4	4
60	Facial submandibular cellulitis-adenitis in a preterm infant. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2007, 92, F153-F153.	1.4	5
61	Delay in screening premature infants for congenital hypothyroidism. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2006, 91, F465-F466.	1.4	2
62	Peak expiratory flow rate in children—a ready reckoner. Indian Pediatrics, 2002, 39, 104-6.	0.2	3
63	Foetal amplitude-integrated electroencephalography: proof of principle of a novel foetal monitoring technique in adult volunteers. Journal of Obstetrics and Gynaecology, 0, , 1-8.	0.4	0