

Eric Ap Herlenius

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

6,279
citations

109137

35
h-index

91712

69
g-index

91
all docs

91
docs citations

91
times ranked

5576
citing authors

#	ARTICLE	IF	CITATIONS
1	Caffeine Therapy for Apnea of Prematurity. <i>New England Journal of Medicine</i> , 2006, 354, 2112-2121.	13.9	992
2	Long-Term Effects of Caffeine Therapy for Apnea of Prematurity. <i>New England Journal of Medicine</i> , 2007, 357, 1893-1902.	13.9	821
3	Hyperalgesia, anxiety, and decreased hypoxic neuroprotection in mice lacking the adenosine A1 receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 9407-9412.	3.3	479
4	Development of neurotransmitter systems during critical periods. <i>Experimental Neurology</i> , 2004, 190, 8-21.	2.0	335
5	Survival Without Disability to Age 5 Years After Neonatal Caffeine Therapy for Apnea of Prematurity. <i>JAMA - Journal of the American Medical Association</i> , 2012, 307, 275.	3.8	328
6	Neurotransmitters and neuromodulators during early human development. <i>Early Human Development</i> , 2001, 65, 21-37.	0.8	253
7	PRRT2 Mutations Cause Benign Familial Infantile Epilepsy and Infantile Convulsions with Choreoathetosis Syndrome. <i>American Journal of Human Genetics</i> , 2012, 90, 152-160.	2.6	234
8	Caffeine for Apnea of Prematurity Trial: Benefits May Vary in Subgroups. <i>Journal of Pediatrics</i> , 2010, 156, 382-387.e3.	0.9	192
9	Prediction of Late Death or Disability at Age 5 Years Using a Count of 3 Neonatal Morbidities in Very Low Birth Weight Infants. <i>Journal of Pediatrics</i> , 2015, 167, 982-986.e2.	0.9	173
10	Academic Performance, Motor Function, and Behavior 11 Years After Neonatal Caffeine Citrate Therapy for Apnea of Prematurity. <i>JAMA Pediatrics</i> , 2017, 171, 564.	3.3	166
11	Ro/SSA autoantibodies directly bind cardiomyocytes, disturb calcium homeostasis, and mediate congenital heart block. <i>Journal of Experimental Medicine</i> , 2005, 201, 11-17.	4.2	151
12	Communication via gap junctions underlies early functional and beneficial interactions between grafted neural stem cells and the host. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5184-5189.	3.3	133
13	The induced prostaglandin E2 pathway is a key regulator of the respiratory response to infection and hypoxia in neonates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9894-9899.	3.3	119
14	SCN2A Mutations and Benign Familial Neonatal-Infantile Seizures: The Phenotypic Spectrum. <i>Epilepsia</i> , 2007, 48, 1138-1142.	2.6	102
15	Sudden Unexpected Postnatal Collapse of Newborn Infants: A Review of Cases, Definitions, Risks, and Preventive Measures. <i>Translational Stroke Research</i> , 2013, 4, 236-247.	2.3	93
16	Unexpected collapse of healthy newborn infants: risk factors, supervision and hypothermia treatment. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2013, 102, 680-688.	0.7	79
17	Perinatal Respiratory Control and Its Modulation by Adenosine and Caffeine in the Rat. <i>Pediatric Research</i> , 2002, 51, 4-12.	1.1	75
18	IL-1 β Depresses Respiration and Anoxic Survival via a Prostaglandin-Dependent Pathway in Neonatal Rats. <i>Pediatric Research</i> , 2003, 54, 326-331.	1.1	75

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19	Reduction in Developmental Coordination Disorder with Neonatal Caffeine Therapy. <i>Journal of Pediatrics</i> , 2014, 165, 356-359.e2.	0.9	74
20	Maternal Caffeine Intake Has Minor Effects on Adenosine Receptor Ontogeny in the Rat Brain. <i>Pediatric Research</i> , 2000, 48, 177-183.	1.1	72
21	Adenosine Modulates Inspiratory Neurons and the Respiratory Pattern in the Brainstem of Neonatal Rats. <i>Pediatric Research</i> , 1997, 42, 46-53.	1.1	71
22	Premature expression of KCC2 in embryonic mice perturbs neural development by an ion transport-independent mechanism. <i>European Journal of Neuroscience</i> , 2010, 31, 2142-2155.	1.2	64
23	Neurobehavioral Outcomes 11 Years After Neonatal Caffeine Therapy for Apnea of Prematurity. <i>Pediatrics</i> , 2018, 141, .	1.0	61
24	Actions of opioids on respiratory activity via activation of brainstem μ -, δ - and κ -receptors; an in vitro study. <i>Brain Research</i> , 1997, 778, 233-241.	1.1	60
25	An inflammatory pathway to apnea and autonomic dysregulation. <i>Respiratory Physiology and Neurobiology</i> , 2011, 178, 449-457.	0.7	55
26	Adenosinergic modulation of respiratory neurones in the neonatal rat brainstem in vitro. <i>Journal of Physiology</i> , 1999, 518, 159-172.	1.3	52
27	Economic Evaluation of Caffeine for Apnea of Prematurity. <i>Pediatrics</i> , 2011, 127, e146-e155.	1.0	52
28	Rho-associated kinase is a therapeutic target in neuroblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6603-E6612.	3.3	52
29	Persistent symptoms in Swedish children after hospitalisation due to COVID-19. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021, 110, 2578-2580.	0.7	51
30	Congenital hypoventilation and impaired hypoxic response in <i>Nurr1</i> mutant mice. <i>Journal of Physiology</i> , 2004, 556, 43-59.	1.3	50
31	Cardiorespiratory development in extremely preterm infants: vulnerability to infection and persistence of events beyond term-equivalent age. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2008, 97, 285-292.	0.7	50
32	Social Variables Predict Gains in Cognitive Scores across the Preschool Years in Children with Birth Weights 500 to 1250 Grams. <i>Journal of Pediatrics</i> , 2015, 166, 870-876.e2.	0.9	45
33	Anti-Ro52 monoclonal antibodies specific for amino acid 200-239, but not other Ro52 epitopes, induce congenital heart block in a rat model. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 448-454.	0.5	44
34	Prostaglandin E2 Mediates Cardiorespiratory Disturbances during Infection in Neonates. <i>Journal of Pediatrics</i> , 2015, 167, 1207-1213.e3.	0.9	41
35	CO ₂ -evoked release of PGE ₂ modulates sighs and inspiration as demonstrated in brainstem organotypic culture. <i>ELife</i> , 2016, 5, .	2.8	39
36	Astrocytes release prostaglandin E2 to modify respiratory network activity. <i>ELife</i> , 2017, 6, .	2.8	38

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37	Impact of Delivery Room Resuscitation on Outcomes up to 18 Months in Very Low Birth Weight Infants. <i>Journal of Pediatrics</i> , 2011, 159, 546-550.e1.	0.9	36
38	mPGES-1 and prostaglandin E2: vital role in inflammation, hypoxic response, and survival. <i>Pediatric Research</i> , 2012, 72, 460-467.	1.1	36
39	Paediatric COVID-19 admissions in a region with open schools during the two first months of the pandemic. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2020, 109, 2152-2154.	0.7	32
40	Effects of neuroactive substances on the morphine-induced respiratory depression; an in vitro study. Published on the World Wide Web on 23 October 2000.. <i>Brain Research</i> , 2000, 884, 201-205.	1.1	29
41	Hypoxic preconditioning increases gap-junctional graft and host communication. <i>NeuroReport</i> , 2010, 21, 1126-1132.	0.6	28
42	Presynaptic dysfunction in CASK-related neurodevelopmental disorders. <i>Translational Psychiatry</i> , 2020, 10, 312.	2.4	28
43	Interleukin-1 β depresses hypoxic gasping and autoresuscitation in neonatal DBA/11acj mice. <i>Respiratory Physiology and Neurobiology</i> , 2005, 146, 135-146.	0.7	26
44	IL-1 β and prostaglandin E2 attenuate the hypercapnic as well as the hypoxic respiratory response via prostaglandin E receptor type 3 in neonatal mice. <i>Journal of Applied Physiology</i> , 2014, 117, 1027-1036.	1.2	24
45	Evaluation of urinary prostaglandin E2 metabolite as a biomarker in infants with fever due to viral infection. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2014, 91, 269-275.	1.0	24
46	Extremely preterm infants who are small for gestational age have a high risk of early hypophosphatemia and hypokalemia. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2015, 104, 1077-1083.	0.7	24
47	Neonatal sepsis prediction through clinical decision support algorithms: A systematic review. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021, 110, 3201-3226.	0.7	20
48	Cognitive Development Trajectories in Preterm Children With Very Low Birth Weight Longitudinally Followed Until 11 Years of Age. <i>Frontiers in Physiology</i> , 2019, 10, 307.	1.3	19
49	Age- and temperature-dependent effects of opioids on medulla oblongata respiratory activity: an in vitro study in newborn rat. <i>Brain Research</i> , 1998, 800, 308-311.	1.1	16
50	Dynamic changes in connexin expression following engraftment of neural stem cells to striatal tissue. <i>Experimental Cell Research</i> , 2011, 317, 70-81.	1.2	14
51	Functional Stem Cell Integration into Neural Networks Assessed by Organotypic Slice Cultures. <i>Current Protocols in Stem Cell Biology</i> , 2017, 42, 2D.13.1-2D.13.30.	3.0	14
52	Predicting severe motor impairment in preterm children at age 5 years. <i>Archives of Disease in Childhood</i> , 2015, 100, 748-753.	1.0	13
53	Adult neural precursor cells form connexin-dependent networks that improve their survival. <i>NeuroReport</i> , 2015, 26, 928-936.	0.6	12
54	The neonatal synaptic big bang. , 0, , 71-84.		11

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55	Graft and host interactions following transplantation of neural stem cells to organotypic striatal cultures. <i>Regenerative Medicine</i> , 2010, 5, 901-917.	0.8	10
56	Fas-ligand and interleukin-6 in the cerebrospinal fluid are early predictors of hypoxic-ischemic encephalopathy and long-term outcomes after birth asphyxia in term infants. <i>Journal of Neuroinflammation</i> , 2018, 15, 223.	3.1	10
57	Functional Stem Cell Integration Assessed by Organotypic Slice Cultures. <i>Current Protocols in Stem Cell Biology</i> , 2012, 23, Unit 2D.13.	3.0	8
58	Astrocyte networks modulate respiration “ sniffing glue. <i>Respiratory Physiology and Neurobiology</i> , 2019, 265, 3-8.	0.7	8
59	PGE ₂ metabolite levels in CSF correlate to HIE score and outcome after perinatal asphyxia. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2013, 102, n/a-n/a.	0.7	7
60	Reduction in paediatric emergency visits during the COVID-19 pandemic in a region with open preschools and schools. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021, 110, 2802-2804.	0.7	7
61	Increased Prostaglandin E2 in Brainstem Respiratory Centers Is Associated With Inhibition of Breathing Movements in Fetal Sheep Exposed to Progressive Systemic Inflammation. <i>Frontiers in Physiology</i> , 2022, 13, 841229.	1.3	6
62	Prostaglandin E2 Exerts Biphasic Dose Response on the PreBötzinger Complex Respiratory-Related Rhythm. <i>Frontiers in Neural Circuits</i> , 0, 16, .	1.4	6
63	Neurotransmitters and neuromodulators. , 2010, , 99-120.		4
64	Maternal fetal loss history and increased acute leukemia subtype risk in subsequent offspring: a systematic review and meta-analysis. <i>Cancer Causes and Control</i> , 2017, 28, 599-624.	0.8	4
65	Hidden Markov Models for Sepsis Detection in Preterm Infants. , 2020, , .		4
66	The Caffeine for Apnea of Prematurity (CAP) Trial: Preliminary Outcomes at 5 Years. <i>Pediatric Research</i> , 2011, 70, 24-24.	1.1	2
67	Unexpected, unexplained and life-threatening events in infants are age-dependent descriptive syndromes with different risk and management. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2017, 106, 191-193.	0.7	2
68	Potential role of neurofilament in COVID-19 and preeclampsia. <i>Cell Reports Medicine</i> , 2022, 3, 100490.	3.3	2
69	Proteomic profiles in cerebrospinal fluid predicted death and disability in term infants with perinatal asphyxia: a pilot study. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2022, , .	0.7	2
70	Urinary PGE 2 metabolite levels in hospitalised infants with infections compared to age-matched controls. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 1879-1886.	0.7	1
71	Is There an Effect of Fetal Mesenchymal Stem Cells in the Mother-Fetus Dyad in COVID-19 Pregnancies and Vertical Transmission?. <i>Frontiers in Physiology</i> , 2020, 11, 624625.	1.3	1
72	Abstract 5832: Rho-associated kinase is a therapeutic target in neuroblastoma. , 2017, , .		1

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73	The cerebrospinal fluid proteome of preterm infants predicts neurodevelopmental outcome. <i>Frontiers in Pediatrics</i> , 0, 10, .	0.9	1
74	Consequences of eliminating adenosine A1 receptors in mice. <i>Drug Development Research</i> , 2003, 58, 350-353.	1.4	0
75	110 Reduced Expression of Microsomal Prostaglandin Synthase 1 Attenuates Ventilatory Effects of Interleukin-1 α in Neonatal DBA/1LACJ Mice. <i>Pediatric Research</i> , 2004, 56, 482-482.	1.1	0
76	Immune Modulator Prostaglandin E2 exerts Biphasic Dose Response on the Pre α B β tzinger Complex Respiratory Related Rhythm. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
77	AIM in Neonatal and Paediatric Intensive Care. , 2021, , 1-10.		0
78	THE INTERACTION BETWEEN MORPHINE AND ACETYLCHOLINE IN THE MEDULLARY RESPIRATION-RELATED STRUCTURES. <i>Anesthesia and Analgesia</i> , 1998, 86, 513S.	1.1	0
79	INFECTION AND INTERLEUKIN-1 β VIA PROSTAGLANDIN E2 DEPRESSES RESPIRATION I: AN IN VITRO STUDY. <i>Pediatric Research</i> , 1998, 44, 456-456.	1.1	0
80	INFECTION AND INTERLEUKIN-1 β VIA PROSTAGLANDIN E2 DEPRESSES RESPIRATION II: AN IN VIVO STUDY. <i>Pediatric Research</i> , 1998, 44, 456-456.	1.1	0
81	AIM in Neonatal and Pediatric Intensive Care. , 2022, , 1047-1056.		0