

# Hugo Lagercrantz

## List of Publications by Year in descending order

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Version: 2024-02-01

117  
papers

6,000  
citations

134610

34  
h-index

81351

76  
g-index

273  
all docs

273  
docs citations

273  
times ranked

5588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resting-state networks in the infant brain. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15531-15536.	3.3	586
2	One-Year Survival of Extremely Preterm Infants After Active Perinatal Care in Sweden. JAMA - Journal of the American Medical Association, 2009, 301, 2225.	3.8	542
3	The Functional Architecture of the Infant Brain as Revealed by Resting-State fMRI. Cerebral Cortex, 2011, 21, 145-154.	1.6	447
4	Pain activates cortical areas in the preterm newborn brain. Pain, 2006, 122, 109-117.	2.0	426
5	The "Stress" of Being Born. Scientific American, 1986, 254, 100-107.	1.0	388
6	Catecholamine Release in the Newborn Infant at Birth. Pediatric Research, 1977, 11, 889-893.	1.1	372
7	Language experienced <i>in utero</i> affects vowel perception after birth: a two-country study. Acta Paediatrica, International Journal of Paediatrics, 2013, 102, 156-160.	0.7	232
8	Spontaneous Brain Activity in the Newborn Brain During Natural Sleep—An fMRI Study in Infants Born at Full Term. Pediatric Research, 2009, 66, 301-305.	1.1	201
9	The Emergence of Human Consciousness: From Fetal to Neonatal Life. Pediatric Research, 2009, 65, 255-260.	1.1	197
10	Activation of Olfactory Cortex in Newborn Infants After Odor Stimulation: A Functional Near-Infrared Spectroscopy Study. Pediatric Research, 2000, 48, 18-23.	1.1	188
11	Fetal and maternal plasma catecholamine levels at elective cesarean section under general or epidural anesthesia versus vaginal delivery. American Journal of Obstetrics and Gynecology, 1982, 142, 1004-1010.	0.7	173
12	A Randomized, Controlled Trial to Evaluate the Effects of the Newborn Individualized Developmental Care and Assessment Program in a Swedish Setting. Pediatrics, 2000, 105, 66-72.	1.0	152
13	Sedation and analgesia practices in neonatal intensive care units (EUROPAIN): results from a prospective cohort study. Lancet Respiratory Medicine, 2015, 3, 796-812.	5.2	147
14	From The Cover: Perinatal exposure to nicotine causes deficits associated with a loss of nicotinic receptor function. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3817-3821.	3.3	129
15	Brain Growth Gains and Losses in Extremely Preterm Infants at Term. Cerebral Cortex, 2015, 25, 1897-1905.	1.6	124
16	Cerebral Hemodynamic Response to Unpleasant Odors in the Preterm Newborn Measured by Near-Infrared Spectroscopy. Pediatric Research, 2001, 50, 324-330.	1.1	101
17	Cardiovascular Stress Hyperreactivity in Babies of Smokers and in Babies Born Preterm. Circulation, 2008, 118, 1848-1853.	1.6	83
18	Blunted peripheral chemoreceptor response to hyperoxia in a group of infants with bronchopulmonary dysplasia. Pediatric Pulmonology, 1995, 20, 101-106.	1.0	75

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19	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
20	Adenosine Concentration in Umbilical Cord Blood of Newborn Infants after Vaginal Delivery and Cesarean Section. <i>Pediatric Research</i> , 1989, 26, 106-108.	1.1	68
21	Effect of Substance P antagonist on the hypoxia-induced carotid chemoreceptor activity. <i>Acta Physiologica Scandinavica</i> , 1984, 121, 301-303.	2.3	67
22	Long-Term Reprogramming of Cardiovascular Function in Infants of Active Smokers. <i>Hypertension</i> , 2010, 55, 722-728.	1.3	65
23	The emergence of consciousness: Science and ethics. <i>Seminars in Fetal and Neonatal Medicine</i> , 2014, 19, 300-305.	1.1	60
24	Poor Brain Growth in Extremely Preterm Neonates Long Before the Onset of Autism Spectrum Disorder Symptoms. <i>Cerebral Cortex</i> , 2017, 27, bhv300.	1.6	60
25	Resignation Syndrome: Catatonia? Culture-Bound?. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 7.	1.0	60
26	<i>Ureaplasma urealyticum</i> -Induced Production of Proinflammatory Cytokines by Macrophages. <i>Pediatric Research</i> , 2000, 48, 114-119.	1.1	58
27	Some effects of substance P on central respiratory control in rabbit pups. <i>Acta Physiologica Scandinavica</i> , 1985, 124, 449-455.	2.3	56
28	Correlation between white matter microstructure and executive functions suggests early developmental influence on long fibre tracts in preterm born adolescents. <i>PLoS ONE</i> , 2017, 12, e0178893.	1.1	56
29	Evidence that most noradrenaline is stored without ATP in sympathetic large dense core nerve vesicles. <i>Nature</i> , 1974, 249, 843-845.	13.7	55
30	Extremely Preterm-Born Infants Demonstrate Different Facial Recognition Processes at 6-10 Months of Corrected Age. <i>Journal of Pediatrics</i> , 2016, 172, 96-102.e1.	0.9	54
31	Causes and Consequences of Maternal and Fetal Sympathoadrenal Activation During Parturition. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1984, 63, 111-115.	1.3	53
32	Adenosinergic modulation of respiratory neurones in the neonatal rat brainstem <i>in vitro</i> . <i>Journal of Physiology</i> , 1999, 518, 159-172.	1.3	52
33	Activation of the right frontotemporal cortex during maternal facial recognition in young infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2008, 97, 1221-1225.	0.7	51
34	Breastfeeding and dummy use have a protective effect on sudden infant death syndrome. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 31-38.	0.7	39
35	The good stress of being born. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 1413-1416.	0.7	35
36	Basic Consciousness of the Newborn. <i>Seminars in Perinatology</i> , 2010, 34, 201-206.	1.1	30

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37	The Effect of Non-Nutritive Sucking on Plasma Insulin, Gastrin, and Somatostatin Levels in Infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1987, 76, 573-578.	0.7	28
38	Updated Swedish advice on reducing the risk of sudden infant death syndrome. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2015, 104, 444-448.	0.7	26
39	Infant Brain Development. , 2016, , .		26
40	Cortical Responses to Alien Odors in Newborns: An fNIRS Study. <i>Cerebral Cortex</i> , 2018, 28, 3229-3240.	1.6	26
41	Chemical Sympathectomy of Interscapular Brown Adipose Tissue. <i>Acta Physiologica Scandinavica</i> , 1976, 98, 8-18.	2.3	25
42	Lipids of the Sympathetic Nerve Trunk Vesicles. Comparison with Adrenomedullary Vesicles. <i>Acta Physiologica Scandinavica</i> , 1971, 82, 567-570.	2.3	22
43	Unidirectional Fluxes in Isolated Splenic Nerve Vesicles Measured by a Millipore Filter Technique:. <i>Acta Physiologica Scandinavica</i> , 1971, 83, 179-190.	2.3	20
44	The emergence of the mind—a borderline of human viability?. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2007, 96, 327-328.	0.7	20
45	The hard problem. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2008, 97, 142-143.	0.7	20
46	Planar cell polarity gene expression correlates with tumor cell viability and prognostic outcome in neuroblastoma. <i>BMC Cancer</i> , 2016, 16, 259.	1.1	20
47	Making of the mind. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2020, 109, 883-892.	0.7	20
48	Potentialiation by Prostaglandins $E_1$ , $E_2$ , and $F_{2\pm}$ of the Contraction Response to Transmural Stimulation in the Bovine Iris Sphincter Muscle. <i>Acta Physiologica Scandinavica</i> , 1975, 95, 26-33.	2.3	18
49	What does the preterm infant breathe for? Controversies on apnea of prematurity. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1992, 81, 733-736.	0.7	18
50	The birth of consciousness. <i>Early Human Development</i> , 2009, 85, S57-S58.	0.8	18
51	Connecting the brain of the child from synapses to screen-based activity. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 352-357.	0.7	16
52	Are extremely preterm born children with autism the victims of too much isolation in the incubator?. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2017, 106, 1246-1247.	0.7	16
53	Intrinsic Functional Connectivity in Preterm Infants with Fetal Growth Restriction Evaluated at 12 Months Corrected Age. <i>Cerebral Cortex</i> , 2016, 27, 4750-4758.	1.6	15
54	Functional Role of Substance P for Respiratory Control during Development. <i>Annals of the New York Academy of Sciences</i> , 1991, 632, 48-52.	1.8	11

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55	The neonatal synaptic big bang. , 0, , 71-84.		11
56	Ultrastructural effects of chemical sympathectomy on brown adipose tissue. Journal of Neurocytology, 1976, 5, 677-690.	1.6	10
57	An Attempt to Estimate the <i>in vivo</i> Concentrations of Noradrenaline and ATP in Sympathetic Large Dense Core Nerve Vesicles. Acta Physiologica Scandinavica, 1975, 94, 136-138.	2.3	7
58	Long-term cardiovascular reprogramming by short-term perinatal exposure to nicotine's main metabolite cotinine. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 638-646.	0.7	7
59	Observations on the case of Charlie Gard. Archives of Disease in Childhood, 2018, 103, 409-410.	1.0	5
60	Cerebral and ventilatory depression during hypoxia in anaesthetized newborn guinea-pigs. Acta Paediatrica, International Journal of Paediatrics, 1995, 84, 1409-1413.	0.7	4
61	Young investigator award. Acta Paediatrica, International Journal of Paediatrics, 2010, 99, 484-484.	0.7	4
62	Care for Consciousness. , 2016, , 143-150.		3
63	Catecholamines, hypoxic defence and the neonatal brain. Developmental Medicine and Child Neurology, 2001, 43, 28-29.	1.1	2
64	Are cardiorespiratory complications a question of epigenetics?. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2192-2193.	3.3	2
65	Child health in Sweden is characterised by good health and low accidents, but rising psychological problems. Acta Paediatrica, International Journal of Paediatrics, 2017, 106, 860-863.	0.7	2
66	Effective care of the newborn infant – the new golden standard textbook in neonatology?. Acta Paediatrica, International Journal of Paediatrics, 1993, 82, 997-997.	0.7	1
67	Hans Spemann (1869–1941): Discoverer of the neuronal organizer. Acta Paediatrica, International Journal of Paediatrics, 2006, 95, 386-387.	0.7	1
68	Nobel Prizes in paediatrics: Santiago Ramón y Cajal (1852-1934) and the founding of neuroembryology. Acta Paediatrica, International Journal of Paediatrics, 2007, 95, 130-131.	0.7	1
69	Young Investigator Award 2013. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 348-348.	0.7	1
70	Young Investigator Award 2014. Acta Paediatrica, International Journal of Paediatrics, 2015, 104, 328-328.	0.7	1
71	Acta Paediatrica from Print (1921–2016) to Online only. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, 1380-1381.	0.7	1
72	Young Investigator Award 2015. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, 336-336.	0.7	1

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73	International Young Investigator Award 2015. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, 1246-1246.	0.7	1
74	International Young Investigator Award 2014. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, 8-8.	0.7	1
75	Young Investigator Award 2016. Acta Paediatrica, International Journal of Paediatrics, 2017, 106, 525-525.	0.7	1
76	Sweden wins over England in child health championship. Archives of Disease in Childhood, 2018, 103, archdischild-2018-315671.	1.0	1
77	Key milestones in the history of developmental brain research. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 1722-1729.	0.7	1
78	It is important to consider research that is challenging and controversial. Acta Paediatrica, International Journal of Paediatrics, 2022, , .	0.7	1
79	Forthcoming editorial changes. Acta Paediatrica, International Journal of Paediatrics, 2007, 94, 1347-1347.	0.7	0
80	Hans Spemann (1869-1941): Discoverer of the neuronal organizer. Acta Paediatrica, International Journal of Paediatrics, 2007, 95, 386-387.	0.7	0
81	Promoting child health. Acta Paediatrica, International Journal of Paediatrics, 2007, 96, 1-2.	0.7	0
82	Making a better journal. Acta Paediatrica, International Journal of Paediatrics, 2008, 97, 260-261.	0.7	0
83	Neonatal cerebral investigation. Acta Paediatrica, International Journal of Paediatrics, 2009, 98, 922-922.	0.7	0
84	Acta Paediatrica volume 100. Acta Paediatrica, International Journal of Paediatrics, 2011, 100, 2-2.	0.7	0
85	From the Editor's desk. Acta Paediatrica, International Journal of Paediatrics, 2012, 101, 1188-1188.	0.7	0
86	Young Investigator Award 2011. Acta Paediatrica, International Journal of Paediatrics, 2012, 101, 332-332.	0.7	0
87	Young Investigator Award 2012. Acta Paediatrica, International Journal of Paediatrics, 2013, 102, 330-330.	0.7	0
88	International Young Investigator Award 2013. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 994-994.	0.7	0
89	Highlights in this. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 993-993.	0.7	0
90	Focusing on paediatric excellence not tyrannical impact factors. Acta Paediatrica, International Journal of Paediatrics, 2015, 104, 644-644.	0.7	0

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91	International Young Investigator Award 2016. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 190-191.	0.7	0
92	Young Investigator Award 2017. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 548-548.	0.7	0
93	International Young Investigator Award 2017. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 1664-1664.	0.7	0
94	Highlights in this issue â€œ Focus on France. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 1110-1111.	0.7	0
95	Young Investigator Award 2018. Acta Paediatrica, International Journal of Paediatrics, 2019, 108, 584-585.	0.7	0
96	Die Geburt des Bewusstseins. , 2019, , .		0
97	Preventing disease in the twenty-first century: a European Union perspective. Pediatric Research, 2020, 87, 188-189.	1.1	0
98	Young Investigator Award 2019. Acta Paediatrica, International Journal of Paediatrics, 2020, 109, 644-644.	0.7	0
99	International Young Investigator Award 2020. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 2493-2494.	0.7	0
100	Young Investigator Award 2020. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 2492-2492.	0.7	0
101	Acta Paediatrica through the times. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 4-6.	0.7	0
102	Â. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 2294-2295.	0.7	0
103	Rolf ZetterstrÃ¶m: Discovered how bilirubin harms the brain in newborns with jaundice. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 14-15.	0.7	0
104	Â. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 2490-2491.	0.7	0
105	Issue highlights October 2021. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 2666-2667.	0.7	0
106	Issue highlightsâ€œNovember 2021. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 2886-2887.	0.7	0
107	The Conscious Infant. , 2016, , 83-98.		0
108	Das frÃ¼hkindliche Bewusstsein. , 2019, , 103-122.		0

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109	Issue highlights January 2022. Acta Paediatrica, International Journal of Paediatrics, 2021, , .	0.7	0
110	Issue highlights December 2021. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 3149-3150.	0.7	0
111	Issue highlights, February 2022. Acta Paediatrica, International Journal of Paediatrics, 2022, 111, 209-210.	0.7	0
112	Young Investigator Award 2021. Acta Paediatrica, International Journal of Paediatrics, 2022, 111, 711-711.	0.7	0
113	Â. Acta Paediatrica, International Journal of Paediatrics, 2022, 111, 457-458.	0.7	0
114	Â. Acta Paediatrica, International Journal of Paediatrics, 2022, 111, 709-710.	0.7	0
115	Issue Highlights. Acta Paediatrica, International Journal of Paediatrics, 2022, 111, 910-911.	0.7	0
116	Nobel Prizes in paediatrics: Santiago Ramón y Cajal (1852-1934) and the founding of neuroembryology. Acta Paediatrica, International Journal of Paediatrics, 2006, 95, 130-1.	0.7	0
117	Issue highlights June 2022. Acta Paediatrica, International Journal of Paediatrics, 2022, 111, 1098-1099.	0.7	0