

# Chatarina Långqvist

## List of Publications by Year in descending order

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70  
papers

4,975  
citations

117625

34  
h-index

106344

65  
g-index

71  
all docs

71  
docs citations

71  
times ranked

4004  
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of DIGIROP models and decision support tool for prediction of treatment for retinopathy of prematurity on a contemporary Swedish cohort. <i>British Journal of Ophthalmology</i> , 2023, 107, 1132-1138.	3.9	4
2	Postnatal serum IGF-1 levels associate with brain volumes at term in extremely preterm infants. <i>Pediatric Research</i> , 2023, 93, 666-674.	2.3	3
3	Development and validation of a new clinical decision support tool to optimize screening for retinopathy of prematurity. <i>British Journal of Ophthalmology</i> , 2022, 106, 1573-1580.	3.9	6
4	Longitudinal Serum Metabolomics in Extremely Premature Infants: Relationships With Gestational Age, Nutrition, and Morbidities. <i>Frontiers in Neuroscience</i> , 2022, 16, 830884.	2.8	12
5	Evaluation of the Retinopathy of Prematurity Activity Scale (ROP-ActS) in a randomised controlled trial aiming for prevention of severe ROP: a substudy of the Mega Donna Mega trial. <i>BMJ Open Ophthalmology</i> , 2022, 7, e000923.	1.6	2
6	Serum choline in extremely preterm infants declines with increasing parenteral nutrition. <i>European Journal of Nutrition</i> , 2021, 60, 1081-1089.	3.9	6
7	Decreased Platelet Counts and Serum Levels of VEGF-A, PDGF-BB, and BDNF in Extremely Preterm Infants Developing Severe ROP. <i>Neonatology</i> , 2021, 118, 18-27.	2.0	14
8	Effect of Enteral Lipid Supplement on Severe Retinopathy of Prematurity. <i>JAMA Pediatrics</i> , 2021, 175, 359.	6.2	67
9	Analysis of Brain Injury Biomarker Neurofilament Light and Neurodevelopmental Outcomes and Retinopathy of Prematurity Among Preterm Infants. <i>JAMA Network Open</i> , 2021, 4, e214138.	5.9	15
10	Systematic review of the healthcare cost of bronchopulmonary dysplasia. <i>BMJ Open</i> , 2021, 11, e045729.	1.9	12
11	Individual Risk Prediction for Sight-Threatening Retinopathy of Prematurity Using Birth Characteristics. <i>JAMA Ophthalmology</i> , 2020, 138, 21.	2.5	41
12	Unpasteurised maternal breast milk is positively associated with growth outcomes in extremely preterm infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2020, 109, 1138-1147.	1.5	9
13	The IGF system and longitudinal growth in preterm infants in relation to gestational age, birth weight and gender. <i>Growth Hormone and IGF Research</i> , 2020, 51, 46-57.	1.1	8
14	IGF1, serum glucose, and retinopathy of prematurity in extremely preterm infants. <i>JCI Insight</i> , 2020, 5, .	5.0	17
15	C-Peptide Suppression During Insulin Infusion in the Extremely Preterm Infant Is Associated With Insulin Sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3902-3910.	3.6	1
16	Influence of Human Milk and Parenteral Lipid Emulsions on Serum Fatty Acid Profiles in Extremely Preterm Infants. <i>Journal of Parenteral and Enteral Nutrition</i> , 2019, 43, 152-161.	2.6	10
17	Long-chain polyunsaturated fatty acids decline rapidly in milk from mothers delivering extremely preterm indicating the need for supplementation. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2018, 107, 1020-1027.	1.5	24
18	Increased postnatal concentrations of pro-inflammatory cytokines are associated with reduced IGF-I levels and retinopathy of prematurity. <i>Growth Hormone and IGF Research</i> , 2018, 39, 19-24.	1.1	29

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19	Implementing higher oxygen saturation targets reduced the impact of poor weight gain as a predictor for retinopathy of prematurity. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2018, 107, 767-773.	1.5	19
20	IGF-1 as a Drug for Preterm Infants: A Step-Wise Clinical Development. <i>Current Pharmaceutical Design</i> , 2018, 23, 5964-5970.	1.9	35
21	Thrombocytopenia is associated with severe retinopathy of prematurity. <i>JCI Insight</i> , 2018, 3, .	5.0	35
22	Effects of a lipid emulsion containing fish oil on polyunsaturated fatty acid profiles, growth and morbidities in extremely premature infants: A randomized controlled trial. <i>Clinical Nutrition ESPEN</i> , 2017, 20, 17-23.	1.2	102
23	Adiponectin Mediates Dietary Omega-3 Long-Chain Polyunsaturated Fatty Acid Protection Against Choroidal Neovascularization in Mice. , 2017, 58, 3862.		27
24	Oxygen Monitoring Reduces the Risk for Retinopathy of Prematurity in a Mexican Population. <i>Neonatology</i> , 2016, 110, 135-140.	2.0	10
25	Review: adiponectin in retinopathy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1392-1400.	3.8	40
26	Role of Insulinlike Growth Factor 1 in Fetal Development and in the Early Postnatal Life of Premature Infants. <i>American Journal of Perinatology</i> , 2016, 33, 1067-1071.	1.4	77
27	IGF-1 in the clinics: Use in retinopathy of prematurity. <i>Growth Hormone and IGF Research</i> , 2016, 30-31, 75-80.	1.1	24
28	IGF-1 in retinopathy of prematurity, a CNS neurovascular disease. <i>Early Human Development</i> , 2016, 102, 13-19.	1.8	39
29	Insulinlike growth factor 1 has multisystem effects on foetal and preterm infant development. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 576-586.	1.5	128
30	Serum concentrations of vascular endothelial growth factor in relation to retinopathy of prematurity. <i>Pediatric Research</i> , 2016, 79, 70-75.	2.3	30
31	Early Surge in Circulatory Adiponectin Is Associated With Improved Growth at Near Term in Very Preterm Infants. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 2380-2387.	3.6	18
32	The Specificity of the WINROP Algorithm Can Be Significantly Increased by Reassessment of the WINROP Alarm. <i>Neonatology</i> , 2015, 108, 152-156.	2.0	10
33	WINROP can modify ROP screening praxis: a validation of WINROP in populations in Sörmland and Västmanland. <i>British Journal of Ophthalmology</i> , 2014, 98, 964-966.	3.9	18
34	Neonatal IGF I/IGFBP I axis and retinopathy of prematurity are associated with increased blood pressure in preterm children. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2014, 103, 149-156.	1.5	9
35	Prediction of severe retinopathy of prematurity using the WINROP algorithm in a birth cohort in South East Scotland. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014, 99, F29-F33.	2.8	32
36	Weight at first detection of retinopathy of prematurity predicts disease severity. <i>British Journal of Ophthalmology</i> , 2014, 98, 1565-1569.	3.9	14

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37	Low Birth Weight Is a Risk Factor for Severe Retinopathy of Prematurity Depending on Gestational Age. PLoS ONE, 2014, 9, e109460.	2.5	50
38	The Use of the WINROP Screening Algorithm for the Prediction of Retinopathy of Prematurity in a Chinese Population. Neonatology, 2013, 104, 127-132.	2.0	39
39	Efficacy of the Screening Algorithm WINROP in a Korean Population of Preterm Infants. JAMA Ophthalmology, 2013, 131, 62.	2.5	44
40	Circulatory insulin-like growth factor-I and brain volumes in relation to neurodevelopmental outcome in very preterm infants. Pediatric Research, 2013, 74, 564-569.	2.3	67
41	Longitudinal infusion of a complex of insulin-like growth factor-I and IGF-binding protein-3 in five preterm infants: pharmacokinetics and short-term safety. Pediatric Research, 2013, 73, 68-74.	2.3	58
42	WINROP Identifies Severe Retinopathy of Prematurity at an Early Stage in a Nation-Based Cohort of Extremely Preterm Infants. PLoS ONE, 2013, 8, e73256.	2.5	39
43	Prediction of Retinopathy of Prematurity Using the Screening Algorithm WINROP in a Mexican Population of Preterm Infants. JAMA Ophthalmology, 2012, 130, 720-3.	2.4	67
44	Low postnatal serum IGF-1 levels are associated with bronchopulmonary dysplasia (BPD). Acta Paediatrica, International Journal of Paediatrics, 2012, 101, 1211-1216.	1.5	52
45	Importance of Early Postnatal Weight Gain for Normal Retinal Angiogenesis in Very Preterm Infants. JAMA Ophthalmology, 2012, 130, 992-9.	2.4	124
46	Safety aspects of longitudinal administration of IGF-I/IGFBP-3 complex in neonatal mice. Growth Hormone and IGF Research, 2011, 21, 205-211.	1.1	4
47	Maternal and neonatal factors associated with poor early weight gain and later retinopathy of prematurity. Acta Paediatrica, International Journal of Paediatrics, 2011, 100, 1528-1533.	1.5	26
48	Postnatal Decrease in Circulating Insulin-Like Growth Factor-I and Low Brain Volumes in Very Preterm Infants. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 1129-1135.	3.6	77
49	Influence of Insulin-Like Growth Factor I and Nutrition During Phases of Postnatal Growth in Very Preterm Infants. Pediatric Research, 2011, 69, 448-453.	2.3	81
50	Predicting Proliferative Retinopathy in a Brazilian Population of Preterm Infants With the Screening Algorithm WINROP. JAMA Ophthalmology, 2010, 128, 1432.	2.4	77
51	Longitudinal Postnatal Weight Measurements for the Prediction of Retinopathy of Prematurity. JAMA Ophthalmology, 2010, 128, 443.	2.4	124
52	Postnatal Weight Gain Modifies Severity and Functional Outcome of Oxygen-Induced Proliferative Retinopathy. American Journal of Pathology, 2010, 177, 2715-2723.	3.8	84
53	The Mouse Retina as an Angiogenesis Model. , 2010, 51, 2813.		523
54	Proliferative Retinopathy Is Associated with Impaired Increase in BDNF and RANTES Expression Levels after Preterm Birth. Neonatology, 2010, 98, 409-418.	2.0	25

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55	Quantification and Localization of the IGF/Insulin System Expression in Retinal Blood Vessels and Neurons during Oxygen-Induced Retinopathy in Mice. , 2009, 50, 1831.		67
56	Early Weight Gain Predicts Retinopathy in Preterm Infants: New, Simple, Efficient Approach to Screening. Pediatrics, 2009, 123, e638-e645.	2.1	215
57	White Matter Damage After Chronic Subclinical Inflammation in Newborn Mice. Journal of Child Neurology, 2009, 24, 1171-1178.	1.4	38
58	Validation of a New Retinopathy of Prematurity Screening Method Monitoring Longitudinal Postnatal Weight and Insulinlike Growth Factor I. JAMA Ophthalmology, 2009, 127, 622.	2.4	162
59	Fresh-Frozen Plasma as a Source of Exogenous Insulin-Like Growth Factor-I in the Extremely Preterm Infant. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 477-482.	3.6	24
60	A Pharmacokinetic and Dosing Study of Intravenous Insulin-Like Growth Factor-I and IGF-Binding Protein-3 Complex to Preterm Infants. Pediatric Research, 2009, 65, 574-579.	2.3	54
61	IGFBP3 suppresses retinopathy through suppression of oxygen-induced vessel loss and promotion of vascular regrowth. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10589-10594.	7.1	165
62	Increased dietary intake of $\omega$ -3-polyunsaturated fatty acids reduces pathological retinal angiogenesis. Nature Medicine, 2007, 13, 868-873.	30.7	633
63	Longitudinal Postnatal Weight and Insulin-like Growth Factor I Measurements in the Prediction of Retinopathy of Prematurity. JAMA Ophthalmology, 2006, 124, 1711.	2.4	247
64	Postnatal Head Growth Deficit Among Premature Infants Parallels Retinopathy of Prematurity and Insulin-like Growth Factor-1 Deficit. Pediatrics, 2006, 117, 1930-1938.	2.1	115
65	Reference Values for Insulin-Like Growth Factor-Binding Protein-3 (IGFBP-3) and the Ratio of Insulin-Like Growth Factor-I to IGFBP-3 throughout Childhood and Adolescence. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 1420-1427.	3.6	80
66	Postnatal Serum Insulin-Like Growth Factor I Deficiency Is Associated With Retinopathy of Prematurity and Other Complications of Premature Birth. Pediatrics, 2003, 112, 1016-1020.	2.1	478
67	Circulating non-22 kDa growth hormone isoforms in healthy children of normal stature: relation to height, body mass and pubertal development. European Journal of Endocrinology, 1997, 137, 246-253.	3.7	18
68	Growth Response to Growth Hormone (GH) Treatment Relates to Serum Insulin-Like Growth Factor I (IGF-I) and IGF-Binding Protein-3 in Short Children with Various GH Secretion Capacities. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 2889-2898.	3.6	64
69	Increased Proportion of Circulating Non-22-Kilodalton Growth Hormone Isoforms in Short Children: A Possible Mechanism for Growth Failure. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 2944-2949.	3.6	38
70	Changes in serum insulin-like growth factor I (IGF-I) and IGF-binding protein-3 levels during growth hormone treatment in prepubertal short children born small for gestational age. Journal of Clinical Endocrinology and Metabolism, 1996, 81, 3902-3908.	3.6	69