Chatarina LÃ¶fqvist

List of Publications by Year
in descending order

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	Increased dietary intake of Ï‰-3-polyunsaturated fatty acids reduces pathological retinal angiogenesis. Nature Medicine, 2007, 13, 868-873.	30.7	633
2	The Mouse Retina as an Angiogenesis Model. , 2010, 51, 2813.		523
3	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
4	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
5	Early Weight Gain Predicts Retinopathy in Preterm Infants: New, Simple, Efficient Approach to Screening. Pediatrics, 2009, 123, e638-e645.	2.1	215
6	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
7	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
8	Insulinâ€like growth factor 1 has multisystem effects on foetal and preterm infant development. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, 576-586.	1.5	128
9	Longitudinal Postnatal Weight Measurements for the Prediction of Retinopathy of Prematurity. JAMA Ophthalmology, 2010, 128, 443.	2.4	124
10	Importance of Early Postnatal Weight Gain for Normal Retinal Angiogenesis in Very Preterm Infants. JAMA Ophthalmology, 2012, 130, 992-9.	2.4	124
11	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
12	Effects of a lipid emulsion containing fish oil on polyunsaturated fatty acid profiles, growth and morbidities in extremely premature infants: A randomized controlled trial. Clinical Nutrition ESPEN, 2017, 20, 17-23.	1.2	102
13	Postnatal Weight Gain Modifies Severity and Functional Outcome of Oxygen-Induced Proliferative Retinopathy. American Journal of Pathology, 2010, 177, 2715-2723.	3.8	84
14	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
15	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
16	Predicting Proliferative Retinopathy in a Brazilian Population of Preterm Infants With the Screening Algorithm WINROP. JAMA Ophthalmology, 2010, 128, 1432.	2.4	77
17	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
18	Role of Insulinlike Growth Factor 1 in Fetal Development and in the Early Postnatal Life of Premature Infants. American Journal of Perinatology, 2016, 33, 1067-1071.	1.4	77

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19	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
20	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
21	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
22	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
23	Effect of Enteral Lipid Supplement on Severe Retinopathy of Prematurity. JAMA Pediatrics, 2021, 175, 359.	6.2	67
24	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
25	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
26	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
27	Low postnatal serum IGFâ€ levels are associated with bronchopulmonary dysplasia (BPD). Acta Paediatrica, International Journal of Paediatrics, 2012, 101, 1211-1216.	1.5	52
28	Low Birth Weight Is a Risk Factor for Severe Retinopathy of Prematurity Depending on Gestational Age. PLoS ONE, 2014, 9, e109460.	2.5	50
29	Efficacy of the Screening Algorithm WINROP in a Korean Population of Preterm Infants. JAMA Ophthalmology, 2013, 131, 62.	2.5	44
30	Individual Risk Prediction for Sight-Threatening Retinopathy of Prematurity Using Birth Characteristics. JAMA Ophthalmology, 2020, 138, 21.	2.5	41
31	Review: adiponectin in retinopathy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1392-1400.	3.8	40
32	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
33	IGF-1 in retinopathy of prematurity, a CNS neurovascular disease. Early Human Development, 2016, 102, 13-19.	1.8	39
34	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
35	White Matter Damage After Chronic Subclinical Inflammation in Newborn Mice. Journal of Child Neurology, 2009, 24, 1171-1178.	1.4	38
36	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

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37	IGF-1 as a Drug for Preterm Infants: A Step-Wise Clinical Development. Current Pharmaceutical Design, 2018, 23, 5964-5970.	1.9	35
38	Thrombocytopenia is associated with severe retinopathy of prematurity. JCI Insight, 2018, 3, .	5.0	35
39	Prediction of severe retinopathy of prematurity using the WINROP algorithm in a birth cohort in South East Scotland. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2014, 99, F29-F33.	2.8	32
40	Serum concentrations of vascular endothelial growth factor in relation to retinopathy of prematurity. Pediatric Research, 2016, 79, 70-75.	2.3	30
41	Increased postnatal concentrations of pro-inflammatory cytokines are associated with reduced IGF-I levels and retinopathy of prematurity. Growth Hormone and IGF Research, 2018, 39, 19-24.	1.1	29
42	Adiponectin Mediates Dietary Omega-3 Long-Chain Polyunsaturated Fatty Acid Protection Against Choroidal Neovascularization in Mice. , 2017, 58, 3862.		27
43	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
44	Proliferative Retinopathy Is Associated with Impaired Increase in BDNF and RANTES Expression Levels after Preterm Birth. Neonatology, 2010, 98, 409-418.	2.0	25
45	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
46	IGF-I in the clinics: Use in retinopathy of prematurity. Growth Hormone and IGF Research, 2016, 30-31, 75-80.	1.1	24
47	Longâ€chain polyunsaturated fatty acids decline rapidly in milk from mothers delivering extremely preterm indicating the need for supplementation. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 1020-1027.	1.5	24
48	Implementing higher oxygen saturation targets reduced the impact of poor weight gain as a predictor for retinopathy of prematurity. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 767-773.	1.5	19
49	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
50	WINROP can modify ROP screening praxis: a validation of WINROP in populations in SÃ¶rmland and VÃstmanland. British Journal of Ophthalmology, 2014, 98, 964-966.	3.9	18
51	Early Surge in Circulatory Adiponectin Is Associated With Improved Growth at Near Term in Very Preterm Infants. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 2380-2387.	3.6	18
52	IGF1, serum glucose, and retinopathy of prematurity in extremely preterm infants. JCI Insight, 2020, 5, .	5.0	17
53	Analysis of Brain Injury Biomarker Neurofilament Light and Neurodevelopmental Outcomes and Retinopathy of Prematurity Among Preterm Infants. JAMA Network Open, 2021, 4, e214138.	5.9	15
54	Weight at first detection of retinopathy of prematurity predicts disease severity. British Journal of Ophthalmology, 2014, 98, 1565-1569.	3.9	14

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55	Decreased Platelet Counts and Serum Levels of VEGF-A, PDGF-BB, and BDNF in Extremely Preterm Infants Developing Severe ROP. Neonatology, 2021, 118, 18-27.	2.0	14
56	Systematic review of the healthcare cost of bronchopulmonary dysplasia. BMJ Open, 2021, 11, e045729.	1.9	12
57	Longitudinal Serum Metabolomics in Extremely Premature Infants: Relationships With Gestational Age, Nutrition, and Morbidities. Frontiers in Neuroscience, 2022, 16, 830884.	2.8	12
58	The Specificity of the WINROP Algorithm Can Be Significantly Increased by Reassessment of the WINROP Alarm. Neonatology, 2015, 108, 152-156.	2.0	10
59	Oxygen Monitoring Reduces the Risk for Retinopathy of Prematurity in a Mexican Population. Neonatology, 2016, 110, 135-140.	2.0	10
60	Influence of Human Milk and Parenteral Lipid Emulsions on Serum Fatty Acid Profiles in Extremely Preterm Infants. Journal of Parenteral and Enteral Nutrition, 2019, 43, 152-161.	2.6	10
61	Neonatal IGF â€1/ IGFBP â€1 axis and retinopathy of prematurity are associated with increased blood pressure in preterm children. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 149-156.	1.5	9
62	Unpasteurised maternal breast milk is positively associated with growth outcomes in extremely preterm infants. Acta Paediatrica, International Journal of Paediatrics, 2020, 109, 1138-1147.	1.5	9
63	The IGF system and longitudinal growth in preterm infants in relation to gestational age, birth weight and gender. Growth Hormone and IGF Research, 2020, 51, 46-57.	1.1	8
64	Serum choline in extremely preterm infants declines with increasing parenteral nutrition. European Journal of Nutrition, 2021, 60, 1081-1089.	3.9	6
65	Development and validation of a new clinical decision support tool to optimize screening for retinopathy of prematurity. British Journal of Ophthalmology, 2022, 106, 1573-1580.	3.9	6
66	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
67	Validation of DIGIROP models and decision support tool for prediction of treatment for retinopathy of prematurity on a contemporary Swedish cohort. British Journal of Ophthalmology, 2023, 107, 1132-1138.	3.9	4
68	Postnatal serum IGF-1 levels associate with brain volumes at term in extremely preterm infants. Pediatric Research, 2023, 93, 666-674.	2.3	3
69	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. BMJ Open Ophthalmology, 2022, 7, e000923.	1.6	2
70	C-Peptide Suppression During Insulin Infusion in the Extremely Preterm Infant Is Associated With Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 3902-3910.	3.6	1