

Carlo L Acerini

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121
papers

7,103
citations

45
h-index

83
g-index

125
ext. papers

8,300
ext. citations

7.3
avg, IF

5.65
L-index

#	Paper	IF	Citations
121	A family with severe insulin resistance and diabetes due to a mutation in AKT2. <i>Science</i> , 2004 , 304, 1325-33	33.3	439
120	Hypomethylation of multiple imprinted loci in individuals with transient neonatal diabetes is associated with mutations in ZFP57. <i>Nature Genetics</i> , 2008 , 40, 949-51	36.3	417
119	Manual closed-loop insulin delivery in children and adolescents with type 1 diabetes: a phase 2 randomised crossover trial. <i>Lancet, The</i> , 2010 , 375, 743-51	40	378
118	Human metabolic syndrome resulting from dominant-negative mutations in the nuclear receptor peroxisome proliferator-activated receptor-gamma. <i>Diabetes</i> , 2003 , 52, 910-7	0.9	361
117	Home Use of an Artificial Beta Cell in Type 1 Diabetes. <i>New England Journal of Medicine</i> , 2015 , 373, 2129-2140	59.2	325
116	ISPAD Clinical Practice Consensus Guidelines 2018: Glycemic control targets and glucose monitoring for children, adolescents, and young adults with diabetes. <i>Pediatric Diabetes</i> , 2018 , 19 Suppl 27, 105-114	3.6	268
115	ISPAD Clinical Practice Consensus Guidelines 2014. Assessment and monitoring of glycemic control in children and adolescents with diabetes. <i>Pediatric Diabetes</i> , 2014 , 15 Suppl 20, 102-14	3.6	225
114	European Society for Paediatric Endocrinology/Lawson Wilkins Pediatric Endocrine Society consensus statement on diabetic ketoacidosis in children and adolescents. <i>Pediatrics</i> , 2004 , 113, e133-40	7.4	199
113	Closed-loop insulin delivery in suboptimally controlled type 1 diabetes: a multicentre, 12-week randomised trial. <i>Lancet, The</i> , 2018 , 392, 1321-1329	40	183
112	Overnight closed-loop insulin delivery in young people with type 1 diabetes: a free-living, randomized clinical trial. <i>Diabetes Care</i> , 2014 , 37, 1204-11	14.6	162
111	Simulation environment to evaluate closed-loop insulin delivery systems in type 1 diabetes. <i>Journal of Diabetes Science and Technology</i> , 2010 , 4, 132-44	4.1	151
110	Anogenital distance from birth to 2 years: a population study. <i>Environmental Health Perspectives</i> , 2009 , 117, 1786-90	8.4	134
109	Closed-loop basal insulin delivery over 36 hours in adolescents with type 1 diabetes: randomized clinical trial. <i>Diabetes Care</i> , 2013 , 36, 838-44	14.6	128
108	The descriptive epidemiology of congenital and acquired cryptorchidism in a UK infant cohort. <i>Archives of Disease in Childhood</i> , 2009 , 94, 868-72	2.2	128
107	Randomized cross-over trial of insulin glargine plus lispro or NPH insulin plus regular human insulin in adolescents with type 1 diabetes on intensive insulin regimens. <i>Diabetes Care</i> , 2003 , 26, 799-804	14.6	119
106	ISPAD Clinical Practice Consensus Guidelines 2014. Psychological care of children and adolescents with type 1 diabetes. <i>Pediatric Diabetes</i> , 2014 , 15 Suppl 20, 232-44	3.6	117
105	ISPAD Clinical Practice Consensus Guidelines 2018: Psychological care of children and adolescents with type 1 diabetes. <i>Pediatric Diabetes</i> , 2018 , 19 Suppl 27, 237-249	3.6	111

104	Factors controlling testis descent. <i>European Journal of Endocrinology</i> , 2008 , 159 Suppl 1, S75-82	6.5	105
103	Breast milk nutrient content and infancy growth. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016 , 105, 641-7	3.1	104
102	Prenatal androgen exposure alters girls' responses to information indicating gender-appropriate behaviour. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371, 20150125	5.8	97
101	Anogenital distance and penile length in infants with hypospadias or cryptorchidism: comparison with normative data. <i>Environmental Health Perspectives</i> , 2014 , 122, 207-11	8.4	97
100	A longitudinal study of the effects of a gluten-free diet on glycemic control and weight gain in subjects with type 1 diabetes and celiac disease. <i>Diabetes Care</i> , 2002 , 25, 1117-22	14.6	95
99	Understanding the growth hormone therapy adherence paradigm: a systematic review. <i>Hormone Research in Paediatrics</i> , 2013 , 79, 189-96	3.3	90
98	An alternative sensor-based method for glucose monitoring in children and young people with diabetes. <i>Archives of Disease in Childhood</i> , 2017 , 102, 543-549	2.2	86
97	Day-and-Night Hybrid Closed-Loop Insulin Delivery in Adolescents With Type 1 Diabetes: A Free-Living, Randomized Clinical Trial. <i>Diabetes Care</i> , 2016 , 39, 1168-74	14.6	86
96	Randomised placebo-controlled trial of human recombinant insulin-like growth factor I plus intensive insulin therapy in adolescents with insulin-dependent diabetes mellitus. <i>Lancet, The</i> , 1997 , 350, 1199-204	4.0	86
95	Increased Cross-Gender Identification Independent of Gender Role Behavior in Girls with Congenital Adrenal Hyperplasia: Results from a Standardized Assessment of 4- to 11-Year-Old Children. <i>Archives of Sexual Behavior</i> , 2015 , 44, 1363-75	3.5	81
94	ISPAD Clinical Practice Consensus Guidelines 2018: Nutritional management in children and adolescents with diabetes. <i>Pediatric Diabetes</i> , 2018 , 19 Suppl 27, 136-154	3.6	80
93	Hypoglycemia prevalence in prepubertal children with type 1 diabetes on standard insulin regimen: use of continuous glucose monitoring system. <i>Diabetes Care</i> , 2003 , 26, 662-7	14.6	77
92	Prevalence of abnormal lipid profiles and the relationship with the development of microalbuminuria in adolescents with type 1 diabetes. <i>Diabetes Care</i> , 2009 , 32, 658-63	14.6	74
91	Pregnancy insulin, glucose, and BMI contribute to birth outcomes in nondiabetic mothers. <i>Diabetes Care</i> , 2008 , 31, 2193-7	14.6	67
90	Closing the Loop in Adults, Children and Adolescents With Suboptimally Controlled Type 1 Diabetes Under Free Living Conditions: A Psychosocial Substudy. <i>Journal of Diabetes Science and Technology</i> , 2017 , 11, 1080-1088	4.1	66
89	Insulin-like growth factor I concentrations in infancy predict differential gains in body length and adiposity: the Cambridge Baby Growth Study. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 156-61	7	64
88	No relationship between prenatal androgen exposure and autistic traits: convergent evidence from studies of children with congenital adrenal hyperplasia and of amniotic testosterone concentrations in typically developing children. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2016 , 57, 1455-1462	7.9	60
87	ISPAD Clinical Practice Consensus Guidelines 2018: Management of cystic fibrosis-related diabetes in children and adolescents. <i>Pediatric Diabetes</i> , 2018 , 19 Suppl 27, 64-74	3.6	58

86	Endocrine disrupting chemicals: a new and emerging public health problem?. <i>Archives of Disease in Childhood</i> , 2006 , 91, 633-41	2.2	56
85	Dose-dependent effects of recombinant human insulin-like growth factor (IGF)-I/IGF binding protein-3 complex on overnight growth hormone secretion and insulin sensitivity in type 1 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 4634-41	5.6	55
84	Hypopituitarism in childhood and adolescence following traumatic brain injury: the case for prospective endocrine investigation. <i>European Journal of Endocrinology</i> , 2006 , 155, 663-9	6.5	54
83	Postnatal penile growth concurrent with mini-puberty predicts later sex-typed play behavior: Evidence for neurobehavioral effects of the postnatal androgen surge in typically developing boys. <i>Hormones and Behavior</i> , 2015 , 69, 98-105	3.7	53
82	Overnight closed-loop insulin delivery with model predictive control: assessment of hypoglycemia and hyperglycemia risk using simulation studies. <i>Journal of Diabetes Science and Technology</i> , 2009 , 3, 1109-20	4.1	51
81	Home Use of Day-and-Night Hybrid Closed-Loop Insulin Delivery in Suboptimally Controlled Adolescents With Type 1 Diabetes: A 3-Week, Free-Living, Randomized Crossover Trial. <i>Diabetes Care</i> , 2016 , 39, 2019-2025	14.6	51
80	Home Use of Day-and-Night Hybrid Closed-Loop Insulin Delivery in Very Young Children: A Multicenter, 3-Week, Randomized Trial. <i>Diabetes Care</i> , 2019 , 42, 594-600	14.6	49
79	Lipidomic analyses, breast- and formula-feeding, and growth in infants. <i>Journal of Pediatrics</i> , 2015 , 166, 276-81.e6	3.6	49
78	Transient neonatal diabetes, ZFP57, and hypomethylation of multiple imprinted loci: a detailed follow-up. <i>Diabetes Care</i> , 2013 , 36, 505-12	14.6	48
77	Prenatal paracetamol exposure is associated with shorter anogenital distance in male infants. <i>Human Reproduction</i> , 2016 , 31, 2642-2650	5.7	48
76	Automated overnight closed-loop glucose control in young children with type 1 diabetes. <i>Diabetes Technology and Therapeutics</i> , 2011 , 13, 419-24	8.1	45
75	Reduced burden of diabetes and improved quality of life: Experiences from unrestricted day-and-night hybrid closed-loop use in very young children with type 1 diabetes. <i>Pediatric Diabetes</i> , 2019 , 20, 794-799	3.6	43
74	Breastfeeding and infant temperament at age three months. <i>PLoS ONE</i> , 2012 , 7, e29326	3.7	43
73	Treatment with recombinant human insulin-like growth factor (rhIGF)-I/rhIGF binding protein-3 complex improves metabolic control in subjects with severe insulin resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 2113-22	5.6	43
72	Evaluation of a portable ambulatory prototype for automated overnight closed-loop insulin delivery in young people with type 1 diabetes. <i>Pediatric Diabetes</i> , 2012 , 13, 449-53	3.6	42
71	Pharmacokinetics of insulin aspart in pump-treated subjects with type 1 diabetes: reproducibility and effect of age, weight, and duration of diabetes. <i>Diabetes Care</i> , 2013 , 36, e173-4	14.6	40
70	An Unbiased Lipidomics Approach Identifies Early Second Trimester Lipids Predictive of Maternal Glycemic Traits and Gestational Diabetes Mellitus. <i>Diabetes Care</i> , 2016 , 39, 2232-2239	14.6	39
69	Parental attitudes towards overnight closed-loop glucose control in children with type 1 diabetes. <i>Diabetes Technology and Therapeutics</i> , 2010 , 12, 35-9	8.1	38

68	Young Children Have Higher Variability of Insulin Requirements: Observations During Hybrid Closed-Loop Insulin Delivery. <i>Diabetes Care</i> , 2019 , 42, 1344-1347	14.6	36
67	Working memory performance is reduced in children with congenital adrenal hyperplasia. <i>Hormones and Behavior</i> , 2015 , 67, 83-8	3.7	36
66	Evaluating the accuracy and large inaccuracy of two continuous glucose monitoring systems. <i>Diabetes Technology and Therapeutics</i> , 2013 , 15, 143-9	8.1	36
65	Traumatic brain injury induced hypothalamic-pituitary dysfunction: a paediatric perspective. <i>Pituitary</i> , 2007 , 10, 373-80	4.3	34
64	Age at Weaning and Infant Growth: Primary Analysis and Systematic Review. <i>Journal of Pediatrics</i> , 2015 , 167, 317-24.e1	3.6	33
63	ISPAD Clinical Practice Consensus Guidelines 2018: Management and support of children and adolescents with type 1 diabetes in school. <i>Pediatric Diabetes</i> , 2018 , 19 Suppl 27, 287-301	3.6	33
62	Serum Phthalate and Triclosan Levels Have Opposing Associations With Risk Factors for Gestational Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , 2018 , 9, 99	5.7	33
61	Cerebral edema in children with diabetic ketoacidosis: vasogenic rather than cellular?. <i>Pediatric Diabetes</i> , 2014 , 15, 261-70	3.6	32
60	Effects of recombinant human IGF-I/IGF-binding protein-3 complex on glucose and glycerol metabolism in type 1 diabetes. <i>Diabetes</i> , 2006 , 55, 2365-70	0.9	32
59	Human Milk Short-Chain Fatty Acid Composition is Associated with Adiposity Outcomes in Infants. <i>Journal of Nutrition</i> , 2019 , 149, 716-722	4.1	29
58	Cohort Profile: the Cambridge Baby Growth Study (CBGS). <i>International Journal of Epidemiology</i> , 2016 , 45, 35.a-g	7.8	29
57	Associations between paternally transmitted fetal IGF2 variants and maternal circulating glucose concentrations in pregnancy. <i>Diabetes</i> , 2011 , 60, 3090-6	0.9	29
56	Feasibility of overnight closed-loop therapy in young children with type 1 diabetes aged 3-6 years: comparison between diluted and standard insulin strength. <i>BMJ Open Diabetes Research and Care</i> , 2014 , 2, e000040	4.5	27
55	Maternally transmitted foetal H19 variants and associations with birth weight. <i>Human Genetics</i> , 2011 , 130, 663-70	6.3	25
54	Cystic fibrosis related diabetes mellitus - diagnostic and management challenges. <i>Current Diabetes Reviews</i> , 2010 , 6, 9-16	2.7	23
53	Ultrasound estimates of visceral and subcutaneous-abdominal adipose tissues in infancy. <i>Journal of Obesity</i> , 2013 , 2013, 951954	3.7	22
52	Associations Between Fetal Imprinted Genes and Maternal Blood Pressure in Pregnancy. <i>Hypertension</i> , 2016 , 68, 1459-1466	8.5	21
51	Associations of vomiting and antiemetic use in pregnancy with levels of circulating GDF15 early in the second trimester: A nested case-control study. <i>Wellcome Open Research</i> , 2018 , 3, 123	4.8	21

50	Meta-analysis of overnight closed-loop randomized studies in children and adults with type 1 diabetes: the Cambridge cohort. <i>Journal of Diabetes Science and Technology</i> , 2011 , 5, 1352-62	4.1	20
49	The rise of technology in diabetes care. Not all that is new is necessarily better. <i>Pediatric Diabetes</i> , 2016 , 17, 168-73	3.6	19
48	Prenatal androgen exposure and children's aggressive behavior and activity level. <i>Hormones and Behavior</i> , 2017 , 96, 156-165	3.7	19
47	Effects of growth hormone and free fatty acids on insulin sensitivity in patients with type 1 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 3297-305	5.6	17
46	Insulin analog preparations and their use in children and adolescents with type 1 diabetes mellitus. <i>Paediatric Drugs</i> , 2008 , 10, 163-76	4.2	17
45	Optimizing Patient Management and Adherence for Children Receiving Growth Hormone. <i>Frontiers in Endocrinology</i> , 2017 , 8, 313	5.7	16
44	Maternal but not paternal association of ambulatory blood pressure with albumin excretion in young offspring with type 1 diabetes. <i>Diabetes Care</i> , 2010 , 33, 366-71	14.6	15
43	Clinical but Not Histological Outcomes in Males With 45,X/46,XY Mosaicism Vary Depending on Reason for Diagnosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 4366-4381	5.6	14
42	Reduced size at birth and persisting reductions in adiposity in recent, compared with earlier, cohorts of infants born to mothers with gestational diabetes mellitus. <i>Diabetologia</i> , 2019 , 62, 1977-1987 ^{10.3}		14
41	Traumatic brain injury is a rarely reported cause of growth hormone deficiency. <i>Journal of Pediatrics</i> , 2008 , 152, 590-3	3.6	14
40	Early Pregnancy-Associated Plasma Protein A Concentrations Are Associated With Third Trimester Insulin Sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 2000-2008	5.6	14
39	Vomiting in pregnancy is associated with a higher risk of low birth weight: a cohort study. <i>BMC Pregnancy and Childbirth</i> , 2018 , 18, 133	3.2	13
38	Assessing the effectiveness of a 3-month day-and-night home closed-loop control combined with pump suspend feature compared with sensor-augmented pump therapy in youths and adults with suboptimally controlled type 1 diabetes: a randomised parallel study protocol. <i>BMJ Open</i> , 2017 , 7, e016738	3	13
37	Initiating growth hormone therapy for children and adolescents. <i>British Journal of Nursing</i> , 2012 , 21, 1091-7	0.7	11
36	Neuroendocrine consequences of traumatic brain injury. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2008 , 21, 611-9	1.6	10
35	Endocrine sequelae of traumatic brain injury in childhood. <i>Hormone Research in Paediatrics</i> , 2007 , 68 Suppl 5, 14-7	3.3	10
34	Childhood and adolescent diabetes. <i>Endocrine Development</i> , 2005 , 9, 107-120		10
33	Clinical Practice Guidance: Surveillance for pheochromocytoma and paraganglioma in paediatric succinate dehydrogenase gene mutation carriers. <i>Clinical Endocrinology</i> , 2019 , 90, 499-505	3.4	10

32	Assessing the efficacy, safety and utility of 6-month day-and-night automated closed-loop insulin delivery under free-living conditions compared with insulin pump therapy in children and adolescents with type 1 diabetes: an open-label, multicentre, multinational, single-period, randomised, parallel group study protocol. <i>BMJ Open</i> , 2019 , 9, e027856	3	9
31	Assessing the effect of closed-loop insulin delivery from onset of type 1 diabetes in youth on residual beta-cell function compared to standard insulin therapy (CLOuD study): a randomised parallel study protocol. <i>BMJ Open</i> , 2020 , 10, e033500	3	9
30	Testing an integrated model of eating disorders in paediatric type 1 diabetes mellitus. <i>Pediatric Diabetes</i> , 2015 , 16, 521-8	3.6	8
29	Medication Adherence During Adjunct Therapy With Statins and ACE Inhibitors in Adolescents With Type 1 Diabetes. <i>Diabetes Care</i> , 2020 , 43, 1070-1076	14.6	8
28	Emotional and behavioral adjustment in 4 to 11-year-old boys and girls with classic congenital adrenal hyperplasia and unaffected siblings. <i>Psychoneuroendocrinology</i> , 2018 , 97, 104-110	5	8
27	Pegvisomant: current and potential novel therapeutic applications. <i>Expert Opinion on Biological Therapy</i> , 2009 , 9, 1553-63	5.4	7
26	Short-term suppression of elevated growth hormone concentrations following insulin-like growth factor 1 administration in young adults with type 1 diabetes does not alter glomerular filtration or albumin excretion rates. <i>Clinical Endocrinology</i> , 2006 , 65, 439-45	3.4	7
25	Insulin-like growth factor-I for the treatment of type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2000 , 2, 335-43	6.7	7
24	Associations between the maternal circulating lipid profile in pregnancy and fetal imprinted gene alleles: a cohort study. <i>Reproductive Biology and Endocrinology</i> , 2018 , 16, 82	5	7
23	The association between age at menarche and later risk of gestational diabetes is mediated by insulin resistance. <i>Acta Diabetologica</i> , 2018 , 55, 853-859	3.9	7
22	Associations between bacterial infections and blood pressure in pregnancy. <i>Pregnancy Hypertension</i> , 2017 , 10, 202-206	2.6	6
21	Temporal Trends in Maternal Food Intake Frequencies and Associations with Gestational Diabetes: The Cambridge Baby Growth Study. <i>Nutrients</i> , 2019 , 11,	6.7	6
20	Shared Decision-Making in Growth Hormone Therapy-Implications for Patient Care. <i>Frontiers in Endocrinology</i> , 2018 , 9, 688	5.7	6
19	Temporal trends without seasonal effects on gestational diabetes incidence relate to reductions in indices of insulin secretion: the Cambridge Baby Growth Study. <i>Acta Diabetologica</i> , 2019 , 56, 1133-1140	3.9	5
18	ISPAD Clinical Practice Consensus Guidelines 2018: Limited Care Guidance Appendix. <i>Pediatric Diabetes</i> , 2018 , 19 Suppl 27, 328-338	3.6	5
17	Prenatal genetic diagnosis of Costello syndrome in a male fetus with recurrent HRAS mutation p.Gly12Ser. <i>Prenatal Diagnosis</i> , 2017 , 37, 409-411	3.2	4
16	MEN2 screening dilemmas in a family with a novel RET mutation in the MEN2 susceptibility region of the gene, a family history of Hirschsprung disease, and no family history of MEN2-related tumours. <i>Clinical Endocrinology</i> , 2008 , 68, 666-7	3.4	4
15	Head-injury-induced pituitary dysfunction. An old curiosity rediscovered. <i>Archives of Disease in Childhood</i> , 2008 , 93, 364-5	2.2	4

14	No relationship between prenatal or early postnatal androgen exposure and autistic traits: evidence using anogenital distance and penile length measurements at birth and 3 months of age. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021 , 62, 876-883	7.9	4
13	Age at Menarche and Blood Pressure in Pregnancy. <i>Pregnancy Hypertension</i> , 2019 , 15, 134-140	2.6	4
12	Prenatal androgen exposure and children's gender-typed behavior and toy and playmate preferences. <i>Hormones and Behavior</i> , 2021 , 127, 104889	3.7	4
11	Sensor Life and Overnight Closed Loop: A Randomized Clinical Trial. <i>Journal of Diabetes Science and Technology</i> , 2017 , 11, 513-521	4.1	3
10	The influence of maternal pregnancy glucose concentrations on associations between a fetal imprinted gene allele score and offspring size at birth. <i>BMC Research Notes</i> , 2018 , 11, 821	2.3	2
9	ISPAD Clinical Practice Consensus Guidelines 2018: Introduction to the Limited Care guidance appendix. <i>Pediatric Diabetes</i> , 2018 , 19 Suppl 27, 326-327	3.6	2
8	Introduction to the Limited Care Guidance Appendix to ISPAD Clinical Practice Consensus Guidelines 2014. <i>Pediatric Diabetes</i> , 2014 , 15 Suppl 20, 279-80	3.6	1
7	Insulin sensitivity assessed by stable isotopes with oral glucose administration: validation with euglycaemic clamp. <i>Isrn Endocrinology</i> , 2013 , 2013, 189412		1
6	Effect of delay on measurement of blood glucose levels in young subjects with type 1 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2009 , 86, e31-3	7.4	1
5	Quantifying energy expenditure in childhood: utility in managing pediatric metabolic disorders. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 1186-1191	7	0
4	Surgical Practice in Girls with Congenital Adrenal Hyperplasia: An International Registry Study. <i>Sexual Development</i> , 2021 , 15, 229-235	1.6	0
3	Psychological Well-Being of Parents of Very Young Children With Type 1 Diabetes - Baseline Assessment. <i>Frontiers in Endocrinology</i> , 2021 , 12, 721028	5.7	0
2	Physiological and clinical role of insulin in the neonate. <i>Expert Review of Endocrinology and Metabolism</i> , 2010 , 5, 197-207	4.1	
1	Review: New approaches to insulin therapy in children and adolescents with type 1 diabetes. <i>British Journal of Diabetes and Vascular Disease</i> , 2004 , 4, 16-20		