Jennifer Couper

List of Publications by Year in descending order

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101543 74163 6,309 128 36 75 citations g-index h-index papers 129 129 129 10172 docs citations times ranked citing authors all docs

#	Article	IF	Citations
1	Genome-wide association study and meta-analysis find that over 40 loci affect risk of type 1 diabetes. Nature Genetics, 2009, 41, 703-707.	21.4	1,513
2	Fine mapping of type 1 diabetes susceptibility loci and evidence for colocalization of causal variants with lymphoid gene enhancers. Nature Genetics, 2015, 47, 381-386.	21.4	589
3	Association between rotavirus infection and pancreatic islet autoimmunity in children at risk of developing type 1 diabetes. Diabetes, 2000, 49, 1319-1324.	0.6	330
4	Disorders of sex development: insights from targeted gene sequencing of a large international patient cohort. Genome Biology, 2016, 17, 243.	8.8	241
5	Pancreatic Â-Cell Function and Immune Responses to Insulin After Administration of Intranasal Insulin to Humans At Risk for Type 1 Diabetes. Diabetes Care, 2004, 27, 2348-2355.	8.6	178
6	Mutations in MAP3K1 Cause 46,XY Disorders of Sex Development and Implicate a Common Signal Transduction Pathway in Human Testis Determination. American Journal of Human Genetics, 2010, 87, 898-904.	6.2	155
7	Lack of association between duration of breast-feeding or introduction of cow's milk and development of islet autoimmunity. Diabetes, 1999, 48, 2145-2149.	0.6	132
8	Health-related quality of life of children and adolescents with chronic illness – a two year prospective study. Quality of Life Research, 2004, 13, 1309-1319.	3.1	105
9	Aortic Intima Media Thickness is an Early Marker of Atherosclerosis in Children with Type 1 Diabetes Mellitus. Journal of Pediatrics, 2010, 156, 237-241.	1.8	104
10	Endothelial Dysfunction Relates to Folate Status in Children and Adolescents With Type 1 Diabetes. Diabetes, 2002, 51, 2282-2286.	0.6	97
11	Use of bisphosphonate therapy for osteoporosis in childhood and adolescence*. Journal of Paediatrics and Child Health, 2003, 39, 88-92.	0.8	90
12	ISPAD Clinical Practice Consensus Guidelines 2018: Stages of type 1 diabetes in children and adolescents. Pediatric Diabetes, 2018, 19, 20-27.	2.9	89
13	Weight Gain in Early Life Predicts Risk of Islet Autoimmunity in Children With a First-Degree Relative With Type 1 Diabetes. Diabetes Care, 2009, 32, 94-99.	8.6	88
14	Treatment burden and healthâ€related quality of life of children with diabetes, cystic fibrosis and asthma. Journal of Paediatrics and Child Health, 2006, 42, 596-600.	0.8	87
15	Gut microbiome dysbiosis and increased intestinal permeability in children with islet autoimmunity and type 1 diabetes: A prospective cohort study. Pediatric Diabetes, 2019, 20, 574-583.	2.9	86
16	The Australasian Diabetes Data Network: first national audit of children and adolescents with type 1 diabetes. Medical Journal of Australia, 2017, 206, 121-125.	1.7	83
17	Islet autoimmunity in infants with a Type I diabetic relative is common but is frequently restricted to one autoantibody. Diabetologia, 2000, 43, 203-209.	6.3	82
18	Vascular Endothelial and Smooth Muscle Function Relates to Body Mass Index and Glucose in Obese and Nonobese Children. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 4467-4471.	3.6	81

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19	Relationship of Smoking and Albuminuria in Children with Insulin-dependent Diabetes. Diabetic Medicine, 1994, 11, 666-669.	2.3	76
20	Folate and Vitamin B6 Rapidly Normalize Endothelial Dysfunction In Children With Type 1 Diabetes Mellitus. Pediatrics, 2006, 118, 242-253.	2.1	70
21	Pancreatic Enzyme Supplementation Improves the Incretin Hormone Response and Attenuates Postprandial Glycemia in Adolescents With Cystic Fibrosis: A Randomized Crossover Trial. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 2486-2493.	3.6	69
22	Hepatocyte growth factor and macrophage-stimulating protein are upregulated during excisional wound repair in rats. Cell and Tissue Research, 2001, 306, 239-250.	2.9	67
23	Early-life factors contributing to type 1 diabetes. Diabetologia, 2019, 62, 1823-1834.	6.3	62
24	Folic acid improves endothelial function in children and adolescents with type 1 diabetes. Journal of Pediatrics, 2004, 144, 500-504.	1.8	59
25	Environmental determinants of islet autoimmunity (ENDIA): a pregnancy to early life cohort study in children at-risk of type 1 diabetes. BMC Pediatrics, 2013, 13, 124.	1.7	59
26	Power Spectral Analysis of Heart Rate Variability in Children and Adolescents With IDDM. Diabetes Care, 1997, 20, 1416-1421.	8.6	54
27	Early Atherosclerosis Relates to Urinary Albumin Excretion and Cardiovascular Risk Factors in Adolescents With Type 1 Diabetes: Adolescent Type 1 Diabetes cardio-renal Intervention Trial (AdDIT). Diabetes Care, 2014, 37, 3069-3075.	8.6	54
28	Hypoglycemia, but Not Glucose Variability, Relates to Vascular Function in Children with Type 1 Diabetes. Diabetes Technology and Therapeutics, 2012, 14, 457-462.	4.4	53
29	Phases of type 1 diabetes in children and adolescents. Pediatric Diabetes, 2014, 15, 18-25.	2.9	48
30	Progression of borderline increases in albuminuria in adolescents with insulin-dependent diabetes mellitus., 1997, 14, 766-771.		47
31	Failure to maintain the benefits of home-based intervention in adolescents with poorly controlled type 1 diabetes. Diabetes Care, 1999, 22, 1933-1937.	8.6	47
32	Effect of Metformin on Vascular Function in Children With Type 1 Diabetes: A 12-Month Randomized Controlled Trial. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 4448-4456.	3.6	47
33	Gastric Emptying Is More Rapid in Adolescents With Type 1 Diabetes and Impacts on Postprandial Glycemia. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 2248-2253.	3.6	44
34	A two-year prospective study of the health-related quality of life of children with chronic illness? the parents? perspective. Quality of Life Research, 2005, 14, 395-405.	3.1	43
35	Sleep, executive functioning and behaviour in children and adolescents with type 1 diabetes. Sleep Medicine, 2014, 15, 1490-1499.	1.6	43
36	Research priority setting in childhood chronic disease: a systematic review. Archives of Disease in Childhood, 2018, 103, 942-951.	1.9	41

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37	Variable Presentation of X-linked Adrenal Hypoplasia Congenita. Journal of Pediatric Endocrinology and Metabolism, 2001, 14, 1093-6.	0.9	40
38	Adolescents with congenital adrenal hyperplasia because of 21â€hydroxylase deficiency have vascular dysfunction. Clinical Endocrinology, 2012, 76, 837-842.	2.4	37
39	Five heterogeneous HbA1c trajectories from childhood to adulthood in youth with type 1 diabetes from three different continents: A groupâ€based modeling approach. Pediatric Diabetes, 2019, 20, 920-931.	2.9	37
40	Factors predicting residual \hat{l}^2 -cell function in the first year after diagnosis of childhood type 1 diabetes. Diabetes Research and Clinical Practice, 1991, 11, 9-16.	2.8	35
41	lgG subclass antibodies to glutamic acid decarboxylase and risk for progression to clinical insulin-dependent diabetes. Human Immunology, 1998, 59, 493-499.	2.4	33
42	Reduced total plasma homocyst(e)ine in children and adolescents with type 1 diabetes. Journal of Pediatrics, 2001, 138, 888-893.	1.8	33
43	Environmental triggers of type 1 diabetes. Journal of Paediatrics and Child Health, 2001, 37, 218-220.	0.8	33
44	Folic Acid Does Not Improve Endothelial Function in Obese Children and Adolescents. Diabetes Care, 2007, 30, 2122-2127.	8.6	32
45	Distinct Gut Virome Profile of Pregnant Women With Type 1 Diabetes in the ENDIA Study. Open Forum Infectious Diseases, 2019, 6, ofz025.	0.9	32
46	Association of Lipoprotein(a) With Puberty in IDDM. Diabetes Care, 1993, 16, 869-873.	8.6	30
47	Dietary Fats Do Not Contribute to Hyperlipidemia in Children and Adolescents With Type 1 Diabetes. Diabetes Care, 2003, 26, 1356-1361.	8.6	29
48	Exenatide corrects postprandial hyperglycaemia in young people with cystic fibrosis and impaired glucose tolerance: A randomized crossover trial. Diabetes, Obesity and Metabolism, 2019, 21, 700-704.	4.4	29
49	Phases of diabetes in children and adolescents. Pediatric Diabetes, 2009, 10, 13-16.	2.9	28
50	Peptidase inhibitor 16 identifies a human regulatory Tâ€eell subset with reduced FOXP3 expression over the first year of recent onset type 1 diabetes. European Journal of Immunology, 2019, 49, 1235-1250.	2.9	26
51	Hs-CRP is associated with weight, BMI, and female sex but not with endothelial function in children with type 1 diabetes. Pediatric Diabetes, 2009, 10, 44-51.	2.9	25
52	Cardiac Autonomic Dysfunction Is Associated With High-Risk Albumin-to-Creatinine Ratio in Young Adolescents With Type 1 Diabetes in AdDIT (Adolescent Type 1 Diabetes Cardio-Renal Interventional) Tj ETQq0 (O 888BT/0	Dve zl ⊕ck 10 Tf
53	Does metformin improve vascular health in children with type 1 diabetes? Protocol for a one year, double blind, randomised, placebo controlled trial. BMC Pediatrics, 2013, 13, 108.	1.7	23
54	Type 1 diabetes in pregnancy is associated with distinct changes in the composition and function of the gut microbiome. Microbiome, 2021, 9, 167.	11.1	23

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55	Cystic fibrosis related diabetesâ€"a new perspective on the optimal management of postprandial glycemia. Journal of Diabetes and Its Complications, 2014, 28, 904-911.	2.3	22
56	Early markers of periodontal disease and altered oral microbiota are associated with glycemic control in children with type 1 diabetes. Pediatric Diabetes, 2021, 22, 474-481.	2.9	22
57	Low-Birth-Weight Infants Show Earlier Onset of IDDM. Diabetes Care, 1994, 17, 653-656.	8.6	21
58	The Diabetes Control and Complications Trial: Implications for children and adolescents. Medical Journal of Australia, 1995, 162, 369-372.	1.7	20
59	Diurnal Variation of Blood Pressure in Adolescents with Type 1 Diabetes: Dippers and Non-dippers. Diabetic Medicine, 1996, 13, 531-535.	2.3	20
60	Prader-Willi syndrome. Lancet, The, 2000, 356, 673-675.	13.7	19
61	Hydrometrocolpos following prenatal dexamethasone treatment for congenital adrenal hyperplasia (21-hydroxylase deficiency). European Journal of Pediatrics, 1993, 152, 9-11.	2.7	18
62	Delayed brachial artery dilation response and increased resting blood flow velocity in young children with mild sleep-disordered breathing. Sleep Medicine, 2015, 16, 1451-1456.	1.6	18
63	Pancreas size and exocrine function is decreased in young children with recentâ€onset Type 1 diabetes. Diabetic Medicine, 2020, 37, 1340-1343.	2.3	18
64	Phases of diabetes. Pediatric Diabetes, 2007, 8, 44-47.	2.9	17
65	Longitudinal trajectories of BMI zâ€score: an international comparison of 11,513 Australian, American and German/Austrian/Luxembourgian youth with type 1 diabetes. Pediatric Obesity, 2020, 15, e12582.	2.8	17
66	Research priorities for childhood chronic conditions: a workshop report. Archives of Disease in Childhood, 2019, 104, 237-245.	1.9	16
67	Incidence of type 1 diabetes in 0 to 14 year olds in Australia from 2002 to 2017. Pediatric Diabetes, 2020, 21, 707-712.	2.9	16
68	The Adolescent Cardio-Renal Intervention Trial (AdDIT): retinal vascular geometry and renal function in adolescents with type 1 diabetes. Diabetologia, 2018, 61, 968-976.	6.3	15
69	Children With Type 1 Diabetes Have Delayed Flow-Mediated Dilation. Canadian Journal of Diabetes, 2018, 42, 276-280.	0.8	15
70	High dose folic acid is a potential treatment for pulmonary hypertension, including when associated with COVID-19 pneumonia. Medical Hypotheses, 2020, 143, 110142.	1.5	15
71	Vascular function and glucose variability improve transiently following initiation of continuous subcutaneous insulin infusion in children with type 1 diabetes. Pediatric Diabetes, 2013, 14, 504-511.	2.9	14
72	Relationship of Hepatocyte Growth Factor in Human Umbilical Vein Serum to Gestational Age in Normal Pregnancies. Pediatric Research, 1996, 39, 386-389.	2.3	13

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73	Folate Fortification and Supplementation Do Not Provide Vascular Health Benefits in Type 1 Diabetes. Journal of Pediatrics, 2013, 163, 255-260.	1.8	12
74	Type 1 diabetes: a disease of developmental origins. Pediatric Diabetes, 2017, 18, 417-421.	2.9	12
75	Early atherosclerosis is associated with retinal microvascular changes in adolescents with type 1 diabetes. Pediatric Diabetes, 2018, 19, 1467-1470.	2.9	12
76	Periodontal risk markers in children and adolescents with type 1 diabetes: A systematic review and metaâ€analysis. Diabetes/Metabolism Research and Reviews, 2021, 37, e3368.	4.0	12
77	High glucose and hyperosmolality stimulate hepatocyte growth factor secretion from cultured human mesangial cells. Diabetologia, 1994, 37, 533-535.	6.3	11
78	Adiponectin relates to smooth muscle function and folate in obese children. Pediatric Obesity, 2010, 5, 185-191.	3.2	11
79	Short report: Care for children and adolescents with diabetes in <scp>A</scp> ustralia and <scp>N</scp> ew <scp>Z</scp> ealand: Have we achieved the defined goals?. Journal of Paediatrics and Child Health, 2013, 49, E258-62.	0.8	11
80	Microbiome in health and disease. Journal of Paediatrics and Child Health, 2020, 56, 1735-1738.	0.8	11
81	Evidence for a functional Hepatocyte Growth Factor receptor in human mesangial cells. Regulatory Peptides, 1998, 74, 137-142.	1.9	10
82	Higher frequency of vertebrateâ€infecting viruses in the gut of infants born to mothers with type 1 diabetes. Pediatric Diabetes, 2020, 21, 271-279.	2.9	10
83	Lack of evidence for progression of atherosclerosis during puberty in type 1 diabetes. Pediatric Diabetes, 2016, 17, 199-205.	2.9	9
84	Dietary sodium intake relates to vascular health in children with type 1 diabetes. Pediatric Diabetes, 2018, 19, 138-142.	2.9	9
85	Adherence to metformin is reduced during school holidays and weekends in children with type 1 diabetes participating in a randomised controlled trial. Archives of Disease in Childhood, 2019, 104, 890-894.	1.9	9
86	Australian children with type 1 diabetes consume high sodium and high saturated fat diets: Comparison with national and international guidelines. Journal of Paediatrics and Child Health, 2019, 55, 1188-1193.	0.8	9
87	Biomarkers associated with early stages of kidney disease in adolescents with type 1 diabetes. Pediatric Diabetes, 2020, 21, 1322-1332.	2.9	9
88	Optimization of Blood Handling and Peripheral Blood Mononuclear Cell Cryopreservation of Low Cell Number Samples. International Journal of Molecular Sciences, 2021, 22, 9129.	4.1	9
89	Changes in pancreatic exocrine function in young atâ€risk children followed to islet autoimmunity and type 1 diabetes in the <scp>ENDIA</scp> study. Pediatric Diabetes, 2020, 21, 945-949.	2.9	9
90	Suboptimal glycemic control in adolescents and young adults with type 1 diabetes from 2011 to 2020 across Australia and New Zealand: Data from the Australasian Diabetes Data Network registry. Pediatric Diabetes, 2022, 23, 736-741.	2.9	9

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91	Who should pay for intensive behavioural intervention in autism? A parent's view. Journal of Paediatrics and Child Health, 2004, 40, 559-561.	0.8	8
92	A NOS3 Polymorphism Determines Endothelial Response to Folate inÂChildren with Type 1 Diabetes or Obesity. Journal of Pediatrics, 2015, 166, 319-325.e1.	1.8	8
93	Vascular Effects of ACE (Angiotensin-Converting Enzyme) Inhibitors and Statins in Adolescents With Type 1 Diabetes. Hypertension, 2020, 76, 1734-1743.	2.7	8
94	Flowâ€mediated dilatation, using time course data, shows maturation of the brachial artery from young children to midâ€adolescents. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 240-245.	1.9	7
95	An Extra 1,000 Steps Per Day Relates to Improved Cardiovascular Health in Children With Type 1 Diabetes. Diabetes Care, 2016, 39, e108-e109.	8.6	7
96	Determinants of Cardiovascular Risk in 7000 Youth With Type 1 Diabetes in the Australasian Diabetes Data Network. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 133-142.	3.6	7
97	T-Cell Expression and Release of Kidney Injury Molecule-1 in Response to Glucose Variations Initiates Kidney Injury in Early Diabetes. Diabetes, 2021, 70, 1754-1766.	0.6	7
98	Urinary albumin/creatinine ratio tertiles predict risk of diabetic retinopathy progression: a natural history study from the Adolescent Cardio-Renal Intervention Trial (AdDIT) observational cohort. Diabetologia, 2022, 65, 872-878.	6.3	7
99	Toxic shock syndrome associated with newly diagnosed type I diabetes. Journal of Paediatrics and Child Health, 2000, 36, 279-282.	0.8	6
100	Children with type 1 diabetes: where are we at?. Medical Journal of Australia, 2002, 177, 228-229.	1.7	6
101	2: Recent advances in therapy of diabetes. Medical Journal of Australia, 2003, 179, 441-447.	1.7	6
102	Bunbury to Bundaberg, Darwin to Dover: establishing a successful Regional Participation Program for the ENDIA type 1 diabetes cohort study. Medical Journal of Australia, 2016, 205, 486-486.	1.7	6
103	Women with type 1 diabetes exhibit a progressive increase in gut Saccharomyces cerevisiae in pregnancy associated with evidence of gut inflammation. Diabetes Research and Clinical Practice, 2022, 184, 109189.	2.8	6
104	First Report of Successful Total Pancreatectomy and Islet Autotransplant in Australia. Pancreas, 2017, 46, e18-e20.	1.1	5
105	Controversies in medicine: redefining the diagnosis of type 1 diabetes. Medical Journal of Australia, 2019, 211, 157.	1.7	5
106	Associations between diet, the gut microbiome and short chain fatty acids in youth with islet autoimmunity and type 1 diabetes. Pediatric Diabetes, 2021, 22, 425-433.	2.9	5
107	Diabetes recurrence after haemolytic uraemic syndrome outbreak in Adelaide. Journal of Paediatrics and Child Health, 2016, 52, 771-773.	0.8	4
108	Longitudinal Study of Lipoprotein(a) in Peripubertal Children with Insulinâ€dependent Diabetes. Diabetic Medicine, 1995, 12, 508-512.	2.3	3

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109	First Australian report of vitamin Dâ€dependent rickets type I. Medical Journal of Australia, 2014, 201, 420-421.	1.7	3
110	Targeting postprandial glycaemia in children with diabetes: <scp>O</scp> pportunities and challenges. Diabetes, Obesity and Metabolism, 2018, 20, 766-774.	4.4	3
111	Australian experience with total pancreatectomy with islet autotransplantation to treat chronic pancreatitis. ANZ Journal of Surgery, 2021, 91, 2663-2668.	0.7	3
112	Vascular Function and Distribution of Adiponectin Isomers during Puberty in Children and Adolescents with Obesity. Hormone Research in Paediatrics, 2021, 94, 186-193.	1.8	3
113	Longitudinal audit of assessment and pharmaceutical intervention for cardiovascular risk in the Australasian Diabetes Data Network. Diabetes, Obesity and Metabolism, 2022, 24, 354-361.	4.4	3
114	Does Introduction of Continuous Glucose Monitoring at Diagnosis of Type 1 Diabetes Increase Uptake in Children and Adolescents?. Pediatric Diabetes, 2021, , .	2.9	3
115	Type 2 diabetes in children and adolescents across Australia and New Zealand: A 6â€year audit from The Australasian Diabetes Data Network (ADDN). Pediatric Diabetes, 2021, 22, 380-387.	2.9	2
116	Evaluation of protocol amendments to the Environmental Determinants of Islet Autoimmunity (ENDIA) study during the COVIDâ€19 pandemic. Diabetic Medicine, 2021, 38, e14638.	2.3	2
117	Cytotoxicity-Related Gene Expression and Chromatin Accessibility Define a Subset of CD4+ T Cells That Mark Progression to Type 1 Diabetes. Diabetes, 2022, 71, 566-577.	0.6	2
118	Mental Health During Late Pregnancy and Postpartum in Mothers With and Without Type 1 Diabetes: The ENDIA Study. Diabetes Care, 2022, 45, 1082-1090.	8.6	2
119	Using provider–parent strategies to improve influenza vaccination in children and adolescents with special risk medical conditions: a randomised controlled trial protocol. BMJ Open, 2022, 12, e053838.	1.9	2
120	A Long-Term Evaluation of Facebook for Recruitment and Retention in the ENDIA Type 1 Diabetes Pregnancy-Birth Cohort Study. Journal of Diabetes Science and Technology, 2023, 17, 696-704.	2.2	2
121	Lp(a) and Insulin Dose in IDDM. Diabetes Care, 1993, 16, 1402-1402.	8.6	1
122	Annotation Microvascular complications of insulin-dependent diabetes: Risk factors, screening and intervention. Journal of Paediatrics and Child Health, 1996, 32, 7-9.	0.8	1
123	Minimal variation of the plasma lipidome after delayed processing of neonatal cord blood. Metabolomics, 2018, 14, 130.	3.0	1
124	South Australian experience with paediatric total pancreatectomy and islet autotransplantation for PRSS1 â€associated hereditary pancreatitis. Medical Journal of Australia, 2021, 215, 294-296.e1.	1.7	1
125	The Diabetes Control and Complications Trial. Implications for children and adolescents. Australasian Paediatric Endocrine Group. Medical Journal of Australia, 1995, 162, 369-72.	1.7	1
126	Dedicated paediatric teaching remains critical to the undergraduate medical curriculum. Journal of Paediatrics and Child Health, 2014, 50, 949-951.	0.8	0

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127	Splenda in the Milk. Journal of Pediatric Gastroenterology and Nutrition, 2018, 66, 371-372.	1.8	O
128	Australian Experience of Total Pancreatectomy and Islet Auto Transplant (TPIAT) Utilizing a Remote Isolation Center. Transplantation, 2018, 102, S745.	1.0	0