

# Susanna Wiegand

## List of Publications by Year in descending order

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Version: 2024-02-01

86  
papers

6,375  
citations

159585

30  
h-index

69250

77  
g-index

101  
all docs

101  
docs citations

101  
times ranked

12375  
citing authors

#	ARTICLE	IF	CITATIONS
1	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , 2010, 42, 937-948.	21.4	2,634
2	Proopiomelanocortin Deficiency Treated with a Melanocortin-4 Receptor Agonist. <i>New England Journal of Medicine</i> , 2016, 375, 240-246.	27.0	358
3	Efficacy and safety of setmelanotide, an MC4R agonist, in individuals with severe obesity due to LEPR or POMC deficiency: single-arm, open-label, multicentre, phase 3 trials. <i>Lancet Diabetes and Endocrinology</i> , 2020, 8, 960-970.	11.4	235
4	MC4R agonism promotes durable weight loss in patients with leptin receptor deficiency. <i>Nature Medicine</i> , 2018, 24, 551-555.	30.7	219
5	Type 2 diabetes and impaired glucose tolerance in European children and adolescents with obesity – a problem that is no longer restricted to minority groups. <i>European Journal of Endocrinology</i> , 2004, 151, 199-206.	3.7	174
6	Risk Factors and Implications of Childhood Obesity. <i>Current Obesity Reports</i> , 2018, 7, 254-259.	8.4	171
7	An Alu Element-Associated Hypermethylation Variant of the POMC Gene Is Associated with Childhood Obesity. <i>PLoS Genetics</i> , 2012, 8, e1002543.	3.5	151
8	Cardiovascular Risk in 26,008 European Overweight Children as Established by a Multicenter Database. <i>Obesity</i> , 2008, 16, 1672-1679.	3.0	147
9	Differences in taste sensitivity between obese and non-obese children and adolescents. <i>Archives of Disease in Childhood</i> , 2012, 97, 1048-1052.	1.9	138
10	Two-Year Follow-Up in 21,784 Overweight Children and Adolescents With Lifestyle Intervention. <i>Obesity</i> , 2009, 17, 1196-1199.	3.0	120
11	Interindividual Variation in DNA Methylation at a Putative POMC Metastable Epiallele Is Associated with Obesity. <i>Cell Metabolism</i> , 2016, 24, 502-509.	16.2	110
12	Current Guidelines for Obesity Prevention in Childhood and Adolescence. <i>Obesity Facts</i> , 2018, 11, 263-276.	3.4	105
13	Obese boys at increased risk for nonalcoholic liver disease: evaluation of 16% of 390 overweight or obese children and adolescents. <i>International Journal of Obesity</i> , 2010, 34, 1468-1474.	3.4	100
14	Body Mass Index, Waist Circumference, and Waist-to-Height Ratio as Predictors of Cardiometabolic Risk in Childhood Obesity Depending on Pubertal Development. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 3384-3393.	3.6	99
15	Hepatocyte-specific NRF2 activation controls fibrogenesis and carcinogenesis in steatohepatitis. <i>Journal of Hepatology</i> , 2021, 74, 638-648.	3.7	84
16	Metformin and placebo therapy both improve weight management and fasting insulin in obese insulin-resistant adolescents: a prospective, placebo-controlled, randomized study. <i>European Journal of Endocrinology</i> , 2010, 163, 585-592.	3.7	77
17	Predicting Weight Loss and Maintenance in Overweight/Obese Pediatric Patients. <i>Hormone Research in Paediatrics</i> , 2014, 82, 380-387.	1.8	60
18	Genetic determinants of steatosis and fibrosis progression in paediatric non-alcoholic fatty liver disease. <i>Liver International</i> , 2019, 39, 540-556.	3.9	54

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19	Type 2 Diabetes in Children and Adolescents in a 2-Year Follow-Up: Insufficient Adherence to Diabetes Centers. <i>Hormone Research in Paediatrics</i> , 2008, 69, 107-113.	1.8	52
20	Medical care of obese children and adolescents. <i>European Journal of Pediatrics</i> , 2004, 163, 308-312.	2.7	51
21	Updated prevalence rates of overweight and obesity in 11- to 17-year-old adolescents in Germany. Results from the telephone-based KiGGS Wave 1 after correction for bias in self-reports. <i>BMC Public Health</i> , 2015, 15, 1101.	2.9	48
22	Comorbidities Related to BMI Category in Children and Adolescents: German/Austrian/Swiss Obesity Register APV Compared to the German KiGGS Study. <i>Hormone Research in Paediatrics</i> , 2012, 77, 19-26.	1.8	46
23	Absorption and tolerability of taste-masked hydrocortisone granules in neonates, infants and children under 6 years of age with adrenal insufficiency. <i>Clinical Endocrinology</i> , 2018, 88, 21-29.	2.4	46
24	Body Mass Index or Waist Circumference: Which Is the Better Predictor for Hypertension and Dyslipidemia in Overweight/Obese Children and Adolescents? Association of Cardiovascular Risk Related to Body Mass Index or Waist Circumference. <i>Hormone Research in Paediatrics</i> , 2013, 80, 170-178.	1.8	44
25	Blood Pressure in 57,915 Pediatric Patients Who Are Overweight or Obese Based on Five Reference Systems. <i>American Journal of Cardiology</i> , 2015, 115, 1587-1594.	1.6	42
26	US Time-Harmonic Elastography: Detection of Liver Fibrosis in Adolescents with Extreme Obesity with Nonalcoholic Fatty Liver Disease. <i>Radiology</i> , 2018, 288, 99-106.	7.3	38
27	Rescue of Melanocortin 4 Receptor (MC4R) Nonsense Mutations by Aminoglycoside-Mediated Read-Through. <i>Obesity</i> , 2012, 20, 1074-1081.	3.0	37
28	Daily insulin requirement of children and adolescents with type 1 diabetes: effect of age, gender, body mass index and mode of therapy. <i>European Journal of Endocrinology</i> , 2008, 158, 543-549.	3.7	36
29	Fibroblast Growth Factor 21 and Fetuin-A in Obese Adolescents With and Without Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 3004-3010.	3.6	33
30	Inflammatory Markers in Obese Adolescents with Type 2 Diabetes and Their Relationship to Hepatokines and Adipokines. <i>Journal of Pediatrics</i> , 2016, 173, 131-135.	1.8	33
31	Children and adolescents with type 1 diabetes in Germany are more overweight than healthy controls: results comparing DPV database and CrescNet database. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2014, 27, 209-14.	0.9	31
32	Associations between circulating inflammatory markers, diabetes type and complications in youth. <i>Pediatric Diabetes</i> , 2019, 20, 1118-1127.	2.9	31
33	Mutation screen in the GWAS derived obesity gene SH2B1 including functional analyses of detected variants. <i>BMC Medical Genomics</i> , 2012, 5, 65.	1.5	30
34	Long-term outcomes of bariatric surgery in patients with bi-allelic mutations in the POMC, LEPR, and MC4R genes. <i>Surgery for Obesity and Related Diseases</i> , 2021, 17, 1449-1456.	1.2	29
35	Tomoelelastography for the Evaluation of Pediatric Nonalcoholic Fatty Liver Disease. <i>Investigative Radiology</i> , 2019, 54, 198-203.	6.2	28
36	Association of variants in gastric inhibitory polypeptide receptor gene with impaired glucose homeostasis in obese children and adolescents from Berlin. <i>European Journal of Endocrinology</i> , 2010, 163, 259-264.	3.7	26

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37	Diabetes screening in overweight and obese children and adolescents: choosing the right test. <i>European Journal of Pediatrics</i> , 2017, 176, 89-97.	2.7	26
38	The Weight Bias Internalization Scale for Youth: Validation of a Specific Tool for Assessing Internalized Weight Bias Among Treatment-Seeking German Adolescents With Overweight. <i>Journal of Pediatric Psychology</i> , 2018, 43, 40-51.	2.1	26
39	Mitochondrial DNA Variants in Obesity. <i>PLoS ONE</i> , 2014, 9, e94882.	2.5	26
40	Does obesity lead to a specific lipid disorder? Analysis from the German/Austrian/Swiss APV registry. <i>Pediatric Obesity</i> , 2011, 6, 53-58.	3.2	24
41	Age, maturation and serum lipid parameters: findings from the German Health Survey for Children and Adolescents. <i>BMC Public Health</i> , 2019, 19, 1627.	2.9	24
42	Impact of Maternal Country of Birth on Type-1-Diabetes Therapy and Outcome in 27,643 Children and Adolescents from the DPV Registry. <i>PLoS ONE</i> , 2015, 10, e0135178.	2.5	24
43	An Integrated Understanding of the Molecular Mechanisms of How Adipose Tissue Metabolism Affects Long-term Body Weight Maintenance. <i>Diabetes</i> , 2019, 68, 57-65.	0.6	23
44	Leptin but not adiponectin is related to type 2 diabetes mellitus in obese adolescents. <i>Pediatric Diabetes</i> , 2016, 17, 281-288.	2.9	22
45	A Prospective Study of Children Aged 0-8 Years with CAH and Adrenal Insufficiency Treated with Hydrocortisone Granules. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e1433-e1440.	3.6	22
46	Reduced 11 $\beta$ -hydroxysteroid dehydrogenase type 1 activity in obese boys. <i>European Journal of Endocrinology</i> , 2007, 157, 319-324.	3.7	21
47	Current use of metformin in addition to insulin in pediatric patients with type 1 diabetes mellitus: an analysis based on a large diabetes registry in Germany and Austria. <i>Pediatric Diabetes</i> , 2015, 16, 529-537.	2.9	20
48	Medical and psychosocial implications of adolescent extreme obesity – acceptance and effects of structured care, short: Youth with Extreme Obesity Study (YES). <i>BMC Public Health</i> , 2013, 13, 789.	2.9	19
49	ANP system activity predicts variability of fat mass reduction and insulin sensitivity during weight loss. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 935-943.	3.4	19
50	Variants in mitochondrial amidoxime reducing component 1 and hydroxysteroid 17 $\beta$ dehydrogenase 13 reduce severity of nonalcoholic fatty liver disease in children and suppress fibrotic pathways through distinct mechanisms. <i>Hepatology Communications</i> , 2022, 6, 1934-1948.	4.3	18
51	Development and Validation of Correction Formulas for Self-Reported Height and Weight to Estimate BMI in Adolescents. Results from the KIGGS Study. <i>Obesity Facts</i> , 2015, 8, 30-42.	3.4	16
52	A Melanocortin-4 Receptor Agonist Induces Skin and Hair Pigmentation in Patients with Monogenic Mutations in the Leptin-Melanocortin Pathway. <i>Skin Pharmacology and Physiology</i> , 2021, 34, 307-316.	2.5	16
53	The Key Role of Psychosocial Risk on Therapeutic Outcome in Obese Children and Adolescents. Results from a Longitudinal Multicenter Study. <i>Obesity Facts</i> , 2013, 6, 297-305.	3.4	15
54	Investigation of Naturally Occurring Single-Nucleotide Variants in Human TAAR1. <i>Frontiers in Pharmacology</i> , 2017, 8, 807.	3.5	15

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55	Proinsulin and the proinsulin/insulin ratio in overweight and obese children and adolescents: relation to clinical parameters, insulin resistance, and impaired glucose regulation. <i>Pediatric Diabetes</i> , 2011, 12, 242-249.	2.9	14
56	How histopathologic changes in pediatric nonalcoholic fatty liver disease influence in vivo liver stiffness. <i>Acta Biomaterialia</i> , 2021, 123, 178-186.	8.3	13
57	Hormonal regulatory mechanisms in obese children and adolescents after previous weight reduction with a lifestyle intervention: maintain - paediatric part - a RCT from 2009-15. <i>BMC Obesity</i> , 2016, 3, 29.	3.1	12
58	Low association between fasting and OGTT stimulated glucose levels with HbA1c in overweight children and adolescents. <i>Pediatric Diabetes</i> , 2017, 18, 734-741.	2.9	12
59	Diagnosis, Therapy and Follow-up of Diabetes Mellitus in Children and Adolescents. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2019, 127, 341-352.	1.2	12
60	Gamma-glutamyl Transferase Is Strongly Associated With Degree of Overweight and Sex. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2011, 52, 635-638.	1.8	11
61	Do adolescents with extreme obesity differ according to previous treatment seeking behavior? The Youth with Extreme obesity Study (YES) cohort. <i>International Journal of Obesity</i> , 2019, 43, 103-115.	3.4	11
62	Applying a correction procedure to the prevalence estimates of overweight and obesity in the German part of the HBSC study. <i>BMC Research Notes</i> , 2014, 7, 181.	1.4	10
63	Changing Characteristics of Obese Children and Adolescents Entering Pediatric Lifestyle Intervention Programs in Germany over the Last 11 Years: An Adiposity Patients Registry Multicenter Analysis of 65,453 Children and Adolescents. <i>Obesity Facts</i> , 2017, 10, 517-530.	3.4	9
64	Tissue Sodium Content and Arterial Hypertension in Obese Adolescents. <i>Journal of Clinical Medicine</i> , 2019, 8, 2036.	2.4	9
65	Antagonistic Autoantibodies to Insulin-Like Growth Factor-1 Receptor Associate with Poor Physical Strength. <i>International Journal of Molecular Sciences</i> , 2020, 21, 463.	4.1	9
66	Comparison of cardiovascular risk factors between children and adolescents with classes III and IV obesity: findings from the APV cohort. <i>International Journal of Obesity</i> , 2021, 45, 1061-1073.	3.4	9
67	Pharmacotherapy in Childhood Obesity. <i>Hormone Research in Paediatrics</i> , 2022, 95, 177-192.	1.8	9
68	Pharmacological treatment strategies for patients with monogenic obesity. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2020, 33, 967-973.	0.9	9
69	Screening for Co-Morbidity in 65,397 Obese Pediatric Patients from Germany, Austria and Switzerland: Adherence to Guidelines Improved from the Year 2000 to 2010. <i>Obesity Facts</i> , 2013, 6, 360-368.	3.4	8
70	Sleep Timing in Patients with Precocious and Delayed Pubertal Development. <i>Clocks &amp; Sleep</i> , 2019, 1, 140-150.	2.0	8
71	Development and psychometric validation of the Parent Perspective University of Rhode Island Change Assessment-Short™ (PURICA-S) Questionnaire for the application in parents of children with overweight and obesity. <i>BMJ Open</i> , 2016, 6, e012711.	1.9	7
72	A Structured, Manual-Based Low-Level Intervention vs. Treatment as Usual Evaluated in a Randomized Controlled Trial for Adolescents with Extreme Obesity - the STEREO Trial. <i>Obesity Facts</i> , 2017, 10, 341-352.	3.4	7

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73	Lipoprotein-associated phospholipase A2 activity in obese adolescents with and without type 2 diabetes. <i>Journal of Inherited Metabolic Disease</i> , 2018, 41, 73-79.	3.6	7
74	Regulation of the cytochrome P450 epoxygenase pathway is associated with distinct histologic features in pediatric non-alcoholic fatty liver disease. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021, 164, 102229.	2.2	6
75	Gustatory Function Can Improve after Multimodal Lifestyle Intervention: A Longitudinal Observational Study in Pediatric Patients with Obesity. <i>Childhood Obesity</i> , 2021, 17, 136-143.	1.5	6
76	Interactions between nocturnal melatonin secretion, metabolism, and sleeping behavior in adolescents with obesity. <i>International Journal of Obesity</i> , 2022, 46, 1051-1058.	3.4	6
77	Targeting parental motivation for change in childhood obesity: development and validation of the PURICA-S scale. <i>International Journal of Obesity</i> , 2019, 43, 2291-2301.	3.4	5
78	Do Common Variants Separate between Obese Melanocortin-4 Receptor Gene Mutation Carriers and Non-Carriers? The Impact of Cryptic Relatedness. <i>Hormone Research in Paediatrics</i> , 2012, 77, 358-368.	1.8	3
79	Cooperation behaviour of primary care paediatricians: facilitators and barriers to multidisciplinary obesity management. <i>European Journal of Public Health</i> , 2020, 30, 407-414.	0.3	3
80	Cardiac Phenotype and Tissue Sodium Content in Adolescents With Defects in the Melanocortin System. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 2606-2616.	3.6	3
81	Evaluation of a rare glucose-dependent insulinotropic polypeptide receptor variant in a patient with diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 1168-1176.	4.4	1
82	Natural Autoimmunity to the Thyroid Hormone Monocarboxylate Transporters MCT8 and MCT10. <i>Biomedicines</i> , 2021, 9, 496.	3.2	1
83	Bewegungs- und Ernährungsverhalten von Kindern und Jugendlichen mit Adipositas und ihren Familien während der COVID-19-Pandemie: Eine Beobachtungsstudie im sozialpädiatrischen Kontext. <i>Adipositas - Ursachen Folgeerkrankungen Therapie</i> , 2021, 15, 201-205.	0.2	1
84	Comorbidities: Non Alcoholic Fatty Liver in Childhood Obesity. , 2015, , 41-53.		0
85	Familienbasierte Ansätze der Behandlung. , 2015, , 487-496.		0
86	Comparison of two methods of cardiopulmonary exercise testing for assessing physical fitness in children and adolescents with extreme obesity. <i>European Journal of Pediatrics</i> , 2022, , 1.	2.7	0