Struan F A Grant

List of Publications by Year
in descending order

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246 papers	29,531 citations	9756 73 h-index	5663 162 g-index
283 all docs	283 docs citations	283 times ranked	38984 citing authors

#	Article	IF	Citations
1	Genetic risk and a primary role for cell-mediated immune mechanisms in multiple sclerosis. Nature, 2011, 476, 214-219.	13.7	2,400
2	Variant of transcription factor 7-like 2 (TCF7L2) gene confers risk of type 2 diabetes. Nature Genetics, 2006, 38, 320-323.	9.4	2,005
3	PennCNV: An integrated hidden Markov model designed for high-resolution copy number variation detection in whole-genome SNP genotyping data. Genome Research, 2007, 17, 1665-1674.	2.4	1,586
4	Autism genome-wide copy number variation reveals ubiquitin and neuronal genes. Nature, 2009, 459, 569-573.	13.7	1,270
5	Common genetic variants on 5p14.1 associate with autism spectrum disorders. Nature, 2009, 459, 528-533.	13.7	912
6	The gene encoding 5-lipoxygenase activating protein confers risk of myocardial infarction and stroke. Nature Genetics, 2004, 36, 233-239.	9.4	859
7	Reduced bone density and osteoporosis associated with a polymorphic Sp1 binding site in the collagen type I Î± 1 gene. Nature Genetics, 1996, 14, 203-205.	9.4	639
8	A genome-wide association study identifies KIAA0350 as a type 1 diabetes gene. Nature, 2007, 448, 591-594.	13.7	497
9	Refining the impact of TCF7L2 gene variants on type 2 diabetes and adaptive evolution. Nature Genetics, 2007, 39, 218-225.	9.4	485
10	Common variants at five new loci associated with early-onset inflammatory bowel disease. Nature Genetics, 2009, 41, 1335-1340.	9.4	459
11	Relation of Alleles of the Collagen Type IÎ±1 Gene to Bone Density and the Risk of Osteoporotic Fractures in Postmenopausal Women. New England Journal of Medicine, 1998, 338, 1016-1021.	13.9	428
12	Genome-wide associations for birth weight and correlations with adult disease. Nature, 2016, 538, 248-252.	13.7	406
13	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. Nature Genetics, 2019, 51, 804-814.	9.4	402
14	Common variants at 5q22 associate with pediatric eosinophilic esophagitis. Nature Genetics, 2010, 42, 289-291.	9.4	397
15	A COL1A1 Sp1 binding site polymorphism predisposes to osteoporotic fracture by affecting bone density and quality. Journal of Clinical Investigation, 2001, 107, 899-907.	3.9	392
16	Genome-Wide Analyses of Exonic Copy Number Variants in a Family-Based Study Point to Novel Autism Susceptibility Genes. PLoS Genetics, 2009, 5, e1000536.	1.5	374
17	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	13.7	353
18	A genome-wide association meta-analysis identifies new childhood obesity loci. Nature Genetics, 2012, 44, 526-531.	9.4	352

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19	A variant of the gene encoding leukotriene A4 hydrolase confers ethnicity-specific risk of myocardial infarction. Nature Genetics, 2006, 38, 68-74.	9.4	339
20	Genome-wide copy number variation study associates metabotropic glutamate receptor gene networks with attention deficit hyperactivity disorder. Nature Genetics, 2012, 44, 78-84.	9.4	334
21	Copy number variation at 1q21.1 associated with neuroblastoma. Nature, 2009, 459, 987-991.	13.7	329
22	High-resolution mapping and analysis of copy number variations in the human genome: A data resource for clinical and research applications. Genome Research, 2009, 19, 1682-1690.	2.4	313
23	Loci on 20q13 and 21q22 are associated with pediatric-onset inflammatory bowel disease. Nature Genetics, 2008, 40, 1211-1215.	9.4	310
24	Variants ofDENND1BAssociated with Asthma in Children. New England Journal of Medicine, 2010, 362, 36-44.	13.9	306
25	A Genome-Wide Meta-Analysis of Six Type 1 Diabetes Cohorts Identifies Multiple Associated Loci. PLoS Genetics, 2011, 7, e1002293.	1.5	297
26	New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. Nature Genetics, 2013, 45, 76-82.	9.4	293
27	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. Nature Genetics, 2018, 50, 26-41.	9.4	286
28	Integrative genomics identifies LMO1 as a neuroblastoma oncogene. Nature, 2011, 469, 216-220.	13.7	276
29	Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. Human Molecular Genetics, 2016, 25, 389-403.	1.4	275
30	Chromosome 6p22 Locus Associated with Clinically Aggressive Neuroblastoma. New England Journal of Medicine, 2008, 358, 2585-2593.	13.9	271
31	Common variations in BARD1 influence susceptibility to high-risk neuroblastoma. Nature Genetics, 2009, 41, 718-723.	9.4	266
32	A Genome-Wide Association Study Identifies a Locus for Nonsyndromic Cleft Lip with or without Cleft Palate on 8q24. Journal of Pediatrics, 2009, 155, 909-913.	0.9	252
33	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. American Journal of Human Genetics, 2018, 102, 88-102.	2.6	252
34	Diverse Genome-wide Association Studies Associate the IL12/IL23 Pathway with Crohn Disease. American Journal of Human Genetics, 2009, 84, 399-405.	2.6	246
35	The Time Is Right for a New Classification System for Diabetes: Rationale and Implications of the Î²-Cellâ€“Centric Classification Schema. Diabetes Care, 2016, 39, 179-186.	4.3	244
36	Large-Scale Gene-Centric Meta-Analysis across 39 Studies Identifies Type 2 Diabetes Loci. American Journal of Human Genetics, 2012, 90, 410-425.	2.6	239

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37	Genome-wide association study implicates novel loci and reveals candidate effector genes for longitudinal pediatric bone accrual. Genome Biology, 2021, 22, 1.	3.8	239
38	A meta-analysis identifies new loci associated with body mass index in individuals of African ancestry. Nature Genetics, 2013, 45, 690-696.	9.4	232
39	Variants in ADCY5 and near CCNL1 are associated with fetal growth and birth weight. Nature Genetics, 2010, 42, 430-435.	9.4	223
40	Linkage of Osteoporosis to Chromosome 20p12 and Association to BMP2. PLoS Biology, 2003, 1, e69.	2.6	222
41	Genetic Evidence for Causal Relationships Between Maternal Obesity-Related Traits and Birth Weight. JAMA - Journal of the American Medical Association, 2016, 315, 1129.	3.8	220
42	Strong synaptic transmission impact by copy number variations in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10584-10589.	3.3	212
43	Meta-analysis of shared genetic architecture across ten pediatric autoimmune diseases. Nature Medicine, 2015, 21, 1018-1027.	15.2	212
44	Genome-wide association and longitudinal analyses reveal genetic loci linking pubertal height growth, pubertal timing and childhood adiposity. Human Molecular Genetics, 2013, 22, 2735-2747.	1.4	188
45	From Disease Association to Risk Assessment: An Optimistic View from Genome-Wide Association Studies on Type 1 Diabetes. PLoS Genetics, 2009, 5, e1000678.	1.5	186
46	Localization of a Susceptibility Gene for Type 2 Diabetes to Chromosome 5q34â€“q35.2. American Journal of Human Genetics, 2003, 73, 323-335.	2.6	177
47	Association Analysis of the FTO Gene with Obesity in Children of Caucasian and African Ancestry Reveals a Common Tagging SNP. PLoS ONE, 2008, 3, e1746.	1.1	176
48	Directional dominance on stature and cognition inÂdiverse human populations. Nature, 2015, 523, 459-462.	13.7	173
49	The Role of Obesityâ€associated Loci Identified in Genomeâ€wide Association Studies in the Determination of Pediatric BMI. Obesity, 2009, 17, 2254-2257.	1.5	159
50	Genetic correlations among psychiatric and immuneâ€related phenotypes based on genomeâ€wide association data. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2018, 177, 641-657.	1.1	158
51	Comparative genetic analysis of inflammatory bowel disease and type 1 diabetes implicates multiple loci with opposite effects. Human Molecular Genetics, 2010, 19, 2059-2067.	1.4	157
52	An Sp1 Binding Site Polymorphism in the COLIA1 Gene Predicts Osteoporotic Fractures in Both Men and Women. Journal of Bone and Mineral Research, 1998, 13, 1384-1389.	3.1	156
53	Genome-wide association study of offspring birth weight in 86â€‰577 women identifies five novel loci and highlights maternal genetic effects that are independent of fetal genetics. Human Molecular Genetics, 2018, 27, 742-756.	1.4	156
54	The genetics of human obesity. Annals of the New York Academy of Sciences, 2013, 1281, 178-190.	1.8	150

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55	Investigating the Causal Relationship of C-Reactive Protein with 32 Complex Somatic and Psychiatric Outcomes: A Large-Scale Cross-Consortium Mendelian Randomization Study. PLoS Medicine, 2016, 13, e1001976.	3.9	150
56	A Novel Susceptibility Locus for Type 1 Diabetes on Chr12q13 Identified by a Genome-Wide Association Study. Diabetes, 2008, 57, 1143-1146.	0.3	137
57	Follow-Up Analysis of Genome-Wide Association Data Identifies Novel Loci for Type 1 Diabetes. Diabetes, 2009, 58, 290-295.	0.3	136
58	Infant BMI or Weight-for-Length and Obesity Risk in Early Childhood. Pediatrics, 2016, 137, .	1.0	135
59	Genome-Wide Association Study of White Blood Cell Count in 16,388 African Americans: the Continental Origins and Genetic Epidemiology Network (COGENT). PLoS Genetics, 2011, 7, e1002108.	1.5	133
60	Common variants at 12q15 and 12q24 are associated with infant head circumference. Nature Genetics, 2012, 44, 532-538.	9.4	130
61	Common variants at 6q22 and 17q21 are associated with intracranial volume. Nature Genetics, 2012, 44, 539-544.	9.4	126
62	Low-Frequency Synonymous Coding Variation in CYP2R1 Has Large Effects on Vitamin D Levels and Risk of Multiple Sclerosis. American Journal of Human Genetics, 2017, 101, 227-238.	2.6	112
63	Association Between Linear Growth and Bone Accrual in a Diverse Cohort of Children and Adolescents. JAMA Pediatrics, 2017, 171, e171769.	3.3	112
64	Genome-Wide Association of Body Fat Distribution in African Ancestry Populations Suggests New Loci. PLoS Genetics, 2013, 9, e1003681.	1.5	109
65	A novel common variant in DCST2 is associated with length in early life and height in adulthood. Human Molecular Genetics, 2015, 24, 1155-1168.	1.4	109
66	Genome-scale Capture C promoter interactions implicate effector genes at GWAS loci for bone mineral density. Nature Communications, 2019, 10, 1260.	5.8	101
67	First Genome-Wide Association Study of Latent Autoimmune Diabetes in Adults Reveals Novel Insights Linking Immune and Metabolic Diabetes. Diabetes Care, 2018, 41, 2396-2403.	4.3	99
68	Discovery and fine-mapping of adiposity loci using high density imputation of genome-wide association studies in individuals of African ancestry: African Ancestry Anthropometry Genetics Consortium. PLoS Genetics, 2017, 13, e1006719.	1.5	98
69	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. PLoS Genetics, 2020, 16, e1008718.	1.5	95
70	A Genome-wide Study Reveals Copy Number Variants Exclusive to Childhood Obesity Cases. American Journal of Human Genetics, 2010, 87, 661-666.	2.6	91
71	ORMDL3 variants associated with asthma susceptibility in North Americans of European ancestry. Journal of Allergy and Clinical Immunology, 2008, 122, 1225-1227.	1.5	89
72	Role of BMIâ€Associated Loci Identified in GWAS Metaâ€Analyses in the Context of Common Childhood Obesity in European Americans. Obesity, 2011, 19, 2436-2439.	1.5	88

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73	A Dementia-Associated Risk Variant near TMEM106B Alters Chromatin Architecture and Gene Expression. American Journal of Human Genetics, 2017, 101, 643-663.	2.6	87
74	GWAS on longitudinal growth traits reveals different genetic factors influencing infant, child, and adult BMI. Science Advances, 2019, 5, eaaw3095.	4.7	86
75	Genetic Control of Bone Density and Turnover: Role of the Collagen 1Î±1, Estrogen Receptor, and Vitamin D Receptor Genes. Journal of Bone and Mineral Research, 2001, 16, 758-764.	3.1	84
76	Associations of autozygosity with a broad range of human phenotypes. Nature Communications, 2019, 10, 4957.	5.8	84
77	GWAS of blood cell traits identifies novel associated loci and epistatic interactions in Caucasian and African-American children. Human Molecular Genetics, 2013, 22, 1457-1464.	1.4	82
78	Bivariate genome-wide association meta-analysis of pediatric musculoskeletal traits reveals pleiotropic effects at the SREBF1/TOM1L2 locus. Nature Communications, 2017, 8, 121.	5.8	82
79	Genetic association analysis highlights new loci that modulate hematological trait variation in Caucasians and African Americans. Human Genetics, 2011, 129, 307-317.	1.8	81
80	Modeling genetic inheritance of copy number variations. Nucleic Acids Research, 2008, 36, e138-e138.	6.5	77
81	Impact of Common Diabetes Risk Variant in MTNR1B on Sleep, Circadian, and Melatonin Physiology. Diabetes, 2016, 65, 1741-1751.	0.3	75
82	A Unified Pathophysiological Construct of Diabetes and its Complications. Trends in Endocrinology and Metabolism, 2017, 28, 645-655.	3.1	71
83	Microarray Technology and Applications in the Arena of Genome-Wide Association. Clinical Chemistry, 2008, 54, 1116-1124.	1.5	69
84	Rare Genetic Variants of Large Effect Influence Risk of Type 1 Diabetes. Diabetes, 2020, 69, 784-795.	0.3	69
85	17q12-21 variants interact with smoke exposure as a risk factor for pediatric asthma but are equally associated with early-onset versus late-onset asthma in North Americans of European ancestry. Journal of Allergy and Clinical Immunology, 2009, 124, 605-607.	1.5	68
86	The type 2 diabetes presumed causal variant within TCF7L2 resides in an element that controls the expression of ACSL5. Diabetologia, 2016, 59, 2360-2368.	2.9	68
87	A multiancestry genome-wide association study of unexplained chronic ALT elevation as a proxy for nonalcoholic fatty liver disease with histological and radiological validation. Nature Genetics, 2022, 54, 761-771.	9.4	68
88	Relative contribution of type 1 and type 2 diabetes loci to the genetic etiology of adult-onset, non-insulin-requiring autoimmune diabetes. BMC Medicine, 2017, 15, 88.	2.3	67
89	Investigation of the Locus Near MC4R With Childhood Obesity in Americans of European and African Ancestry. Obesity, 2009, 17, 1461-1465.	1.5	66
90	The Genetics of Pediatric Obesity. Trends in Endocrinology and Metabolism, 2015, 26, 711-721.	3.1	66

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91	Genotype and Tissue-Specific Effects on Alternative Splicing of the Transcription Factor 7-Like 2 Gene in Humans. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1450-1457.	1.8	65
92	Duplication of the SLIT3 Locus on 5q35.1 Predisposes to Major Depressive Disorder. PLoS ONE, 2010, 5, e15463.	1.1	63
93	Genetic Susceptibility to Type 2 Diabetes and Obesity: Follow-Up of Findings from Genome-Wide Association Studies. International Journal of Endocrinology, 2014, 2014, 1-13.	0.6	62
94	The inheritance of rheumatoid arthritis in Iceland. Arthritis and Rheumatism, 2001, 44, 2247-2254.	6.7	61
95	Examination of Type 2 Diabetes Loci Implicates CDKAL1 as a Birth Weight Gene. Diabetes, 2009, 58, 2414-2418.	0.3	61
96	SNP array mapping of chromosome 20p deletions: Genotypes, phenotypes, and copy number variation. Human Mutation, 2009, 30, 371-378.	1.1	61
97	Association of the T300A non-synonymous variant of the ATG16L1 gene with susceptibility to paediatric Crohn's disease. Gut, 2007, 56, 1171-1173.	6.1	60
98	Transferability and Fine Mapping of Type 2 Diabetes Loci in African Americans. Diabetes, 2013, 62, 965-976.	0.3	59
99	Identification of Genetic and Environmental Factors Predicting Metabolically Healthy Obesity in Children: Data From the BCAMS Study. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 1816-1825.	1.8	59
100	A Global Perspective of Latent Autoimmune Diabetes in Adults. Trends in Endocrinology and Metabolism, 2018, 29, 638-650.	3.1	59
101	Genetic sharing and heritability of paediatric age of onset autoimmune diseases. Nature Communications, 2015, 6, 8442.	5.8	58
102	Association Between a High-Risk Autism Locus on 5p14 and Social Communication Spectrum Phenotypes in the General Population. American Journal of Psychiatry, 2010, 167, 1364-1372.	4.0	57
103	Association of Variants of the Interleukin-23 Receptor Gene With Susceptibility to Pediatric Crohnâ€™s Disease. Clinical Gastroenterology and Hepatology, 2007, 5, 972-976.	2.4	56
104	Examination of All Type 2 Diabetes GWAS Loci Reveals HHEX-IDE as a Locus Influencing Pediatric BMI. Diabetes, 2010, 59, 751-755.	0.3	56
105	The role of height-associated loci identified in genome wide association studies in the determination of pediatric stature. BMC Medical Genetics, 2010, 11, 96.	2.1	54
106	Can the Genetics of Type 1 and Type 2 Diabetes Shed Light on the Genetics of Latent Autoimmune Diabetes in Adults?. Endocrine Reviews, 2010, 31, 183-193.	8.9	53
107	Contribution of common non-synonymous variants in PCSK1 to body mass index variation and risk of obesity: a systematic review and meta-analysis with evidence from up to 331 175 individuals. Human Molecular Genetics, 2015, 24, 3582-3594.	1.4	53
108	Association of the TRAF1â€“C5 locus on chromosome 9 with juvenile idiopathic arthritis. Arthritis and Rheumatism, 2008, 58, 2206-2207.	6.7	52

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109	Genetics of Childhood Obesity. Journal of Obesity, 2011, 2011, 1-9.	1.1	49
110	DNA binding by FOXP3 domain-swapped dimer suggests mechanisms of long-range chromosomal interactions. Nucleic Acids Research, 2015, 43, 1268-1282.	6.5	49
111	Variants in the fetal genome near pro-inflammatory cytokine genes on 2q13 associate with gestational duration. Nature Communications, 2019, 10, 3927.	5.8	49
112	A trans-ethnic genome-wide association study identifies gender-specific loci influencing pediatric aBMD and BMC at the distal radius. Human Molecular Genetics, 2015, 24, 5053-5059.	1.4	48
113	Body Mass Index (BMI) Trajectories in Infancy Differ by Population Ancestry and May Presage Disparities in Early Childhood Obesity. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 1551-1560.	1.8	48
114	The Genetic Contribution to Type 1 Diabetes. Current Diabetes Reports, 2019, 19, 116.	1.7	48
115	Rare copy number variants in over 100,000 European ancestry subjects reveal multiple disease associations. Nature Communications, 2020, 11, 255.	5.8	48
116	Prevalence of diabetes in Australia: insights from the Fremantle Diabetes Study Phase II. Internal Medicine Journal, 2018, 48, 803-809.	0.5	46
117	Mapping effector genes at lupus GWAS loci using promoter Capture-C in follicular helper T cells. Nature Communications, 2020, 11, 3294.	5.8	44
118	The TCF7L2 Locus: A Genetic Window Into the Pathogenesis of Type 1 and Type 2 Diabetes. Diabetes Care, 2019, 42, 1624-1629.	4.3	43
119	Association Analysis of Type 2 Diabetes Loci in Type 1 Diabetes. Diabetes, 2008, 57, 1983-1986.	0.3	42
120	Overlap of Genetic Susceptibility to Type 1 Diabetes, Type 2 Diabetes, and Latent Autoimmune Diabetes in Adults. Current Diabetes Reports, 2014, 14, 550.	1.7	40
121	Obesity-susceptibility loci and the tails of the pediatric BMI distribution. Obesity, 2013, 21, 1256-1260.	1.5	39
122	Genetics of Bone Mass in Childhood and Adolescence: Effects of Sex and Maturation Interactions. Journal of Bone and Mineral Research, 2015, 30, 1676-1683.	3.1	39
123	Recent development in pharmacogenomics: from candidate genes to genome-wide association studies. Expert Review of Molecular Diagnostics, 2007, 7, 371-393.	1.5	37
124	SNP genotyping on a genome-wide amplified DOP-PCR template. Nucleic Acids Research, 2002, 30, 125e-125.	6.5	36
125	Genetic Determinants of Childhood Obesity. Molecular Diagnosis and Therapy, 2020, 24, 653-663.	1.6	36
126	A genome-wide association meta-analysis of diarrhoeal disease in young children identifiesFUT2locus and provides plausible biological pathways. Human Molecular Genetics, 2016, 25, 4127-4142.	1.4	35

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127	Genetic and Epigenetic Fine Mapping of Complex Trait Associated Loci in the Human Liver. American Journal of Human Genetics, 2019, 105, 89-107.	2.6	35
128	Transethnic Evaluation Identifies Low-Frequency Loci Associated With 25-Hydroxyvitamin D Concentrations. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 1380-1392.	1.8	33
129	Association ofTCF7L2variation with single islet autoantibody expression in children with type 1 diabetes. BMJ Open Diabetes Research and Care, 2014, 2, e000008.	1.2	31
130	Genetically Determined Later Puberty Impacts Lowered Bone Mineral Density in Childhood and Adulthood. Journal of Bone and Mineral Research, 2018, 33, 430-436.	3.1	31
131	Constrained chromatin accessibility in PU.1-mutated agammaglobulinemia patients. Journal of Experimental Medicine, 2021, 218, .	4.2	31
132	A Genomewide Association Study Identifies Two Sexâ€Specific Loci, at SPTB and IZUMO3, Influencing Pediatric Bone Mineral Density at Multiple Skeletal Sites. Journal of Bone and Mineral Research, 2017, 32, 1274-1281.	3.1	30
133	A genome wide association study of plasma uric acid levels in obese cases and neverâ€overweight controls. Obesity, 2013, 21, E490-4.	1.5	29
134	BMD Loci Contribute to Ethnic and Developmental Differences in Skeletal Fragility across Populations: Assessment of Evolutionary Selection Pressures. Molecular Biology and Evolution, 2015, 32, 2961-2972.	3.5	29
135	Childhood sleep duration modifies the polygenic risk for obesity in youth through leptin pathway: the Beijing Child and Adolescent Metabolic Syndrome cohort study. International Journal of Obesity, 2019, 43, 1556-1567.	1.6	29
136	Physical Activity Benefits the Skeleton of Children Genetically Predisposed to Lower Bone Density in Adulthood. Journal of Bone and Mineral Research, 2016, 31, 1504-1512.	3.1	28
137	Identification of 22 susceptibility loci associated with testicular germ cell tumors. Nature Communications, 2021, 12, 4487.	5.8	27
138	Biological constraints on GWAS SNPs at suggestive significance thresholds reveal additional BMI loci. ELife, 2021, 10, .	2.8	27
139	Genomeâ€wide association studies (GWAS): impact on elucidating the aetiology of diabetes. Diabetes/Metabolism Research and Reviews, 2011, 27, 685-696.	1.7	26
140	Sleep Duration and Cardiometabolic Risk Among Chinese School-aged Children: Do Adipokines Play a Mediating Role?. Sleep, 2017, 40, .	0.6	26
141	Genetic Studies of Leptin Concentrations Implicate Leptin in the Regulation of Early Adiposity. Diabetes, 2020, 69, 2806-2818.	0.3	26
142	Genome-wide association studies in type 1 diabetes. Current Diabetes Reports, 2009, 9, 157-163.	1.7	24
143	Genetics of Obesity and Type 2 Diabetes in African Americans. Journal of Obesity, 2013, 2013, 1-12.	1.1	24
144	Genetic Risk Scores Implicated in Adult Bone Fragility Associate With Pediatric Bone Density. Journal of Bone and Mineral Research, 2016, 31, 789-795.	3.1	24

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145	3D promoter architecture re-organization during iPSC-derived neuronal cell differentiation implicates target genes for neurodevelopmental disorders. Progress in Neurobiology, 2021, 201, 102000.	2.8	24
146	Genetic Variation in Genes Encoding Airway Epithelial Potassium Channels Is Associated with Chronic Rhinosinusitis in a Pediatric Population. PLoS ONE, 2014, 9, e89329.	1.1	24
147	Candidate Loci are Revealed by an Initial Genome-wide Association Study of Juvenile Osteochondritis Dissecans. Journal of Pediatric Orthopaedics, 2017, 37, e32-e36.	0.6	23
148	Genetic Discrimination Between LADA and Childhood-Onset Type 1 Diabetes Within the MHC. Diabetes Care, 2020, 43, 418-425.	4.3	23
149	BMDâ€Associated Variation at the Osterix Locus Is Correlated With Childhood Obesity in Females. Obesity, 2011, 19, 1311-1314.	1.5	22
150	The missense variation landscape of FTO, MC4R, and TMEM18 in obese children of African Ancestry. Obesity, 2013, 21, 159-163.	1.5	22
151	Canonical Notch signaling is required for bone morphogenetic protein-mediated human osteoblast differentiation. Stem Cells, 2020, 38, 1332-1347.	1.4	22
152	Using linear and natural cubic splines, SITAR, and latent trajectory models to characterise nonlinear longitudinal growth trajectories in cohort studies. BMC Medical Research Methodology, 2022, 22, 68.	1.4	21
153	Rare EN1 Variants and Pediatric Bone Mass. Journal of Bone and Mineral Research, 2016, 31, 1513-1517.	3.1	20
154	Characterization of Rare Variants in MC4R in African American and Latino Children With Severe Early-Onset Obesity. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 2961-2970.	1.8	20
155	Changes in Sleep Duration and Timing During the Middle-to-High School Transition. Journal of Adolescent Health, 2020, 67, 829-836.	1.2	20
156	Copy Number Variation on Chromosome 10q26.3 for Obesity Identified by a Genome-Wide Study. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E191-E195.	1.8	19
157	Genome-wide association studies in type 1 diabetes, inflammatory bowel disease and other immune-mediated disorders. Seminars in Immunology, 2009, 21, 355-362.	2.7	18
158	Characterization of the transcriptional machinery bound across the widely presumed type 2 diabetes causal variant, rs7903146, within TCF7L2. European Journal of Human Genetics, 2015, 23, 103-109.	1.4	18
159	Implicating candidate genes at GWAS signals by leveraging topologically associating domains. European Journal of Human Genetics, 2017, 25, 1286-1289.	1.4	18
160	Associations of the residential built environment with adolescent sleep outcomes. Sleep, 2021, 44, .	0.6	18
161	Genetics of pediatric bone strength. BoneKEy Reports, 2016, 5, 823.	2.7	18
162	Strategies for Genetic Studies of Complex Diseases. Cell, 2010, 142, 351-353.	13.5	17

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163	GATA Factors Promote ER Integrity and Î²-Cell Survival and Contribute to Type 1 Diabetes Risk. Molecular Endocrinology, 2014, 28, 28-39.	3.7	17
164	Two novel type 2 diabetes loci revealed through integration of TCF7L2 DNA occupancy and SNP association data. BMJ Open Diabetes Research and Care, 2014, 2, e000052.	1.2	17
165	A ChIP-seq-Defined Genome-Wide Map of MEF2C Binding Reveals Inflammatory Pathways Associated with Its Role in Bone Density Determination. Calcified Tissue International, 2014, 94, 396-402.	1.5	17
166	Type 1 diabetes in Africa: an immunogenetic study in the Amhara of North-West Ethiopia. Diabetologia, 2020, 63, 2158-2168.	2.9	17
167	In silico replication of the genome-wide association results of the Type 1 Diabetes Genetics Consortium. Human Molecular Genetics, 2010, 19, 2534-2538.	1.4	16
168	Pathway-Based Genome-Wide Association Studies for Plasma Triglycerides in Obese Females and Normal-Weight Controls. PLoS ONE, 2015, 10, e0134923.	1.1	16
169	Identical Osteochondritis Dissecans Lesions of the Knee in Sets of Monozygotic Twins. Orthopedics, 2013, 36, e1559-62.	0.5	16
170	Planning a genome-wide association study: Points to consider. Annals of Medicine, 2011, 43, 451-460.	1.5	15
171	Relative Skeletal Maturation and Population Ancestry in Nonobese Children and Adolescents. Journal of Bone and Mineral Research, 2017, 32, 115-124.	3.1	15
172	Variant-to-Gene-Mapping Analyses Reveal a Role for the Hypothalamus in Genetic Susceptibility to Inflammatory Bowel Disease. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 667-682.	2.3	15
173	Pathway-Based Genome-wide Association Studies Reveal That the Rac1 Pathway Is Associated with Plasma Adiponectin Levels. Scientific Reports, 2015, 5, 13422.	1.6	14
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