Alessandra Chesi

List of Publications by Year
in descending order

65	6,078	186265 28	123424 61
papers	citations	h-index	g-index

75	75	75	12281
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome-wide analysis of mammalian promoter architecture and evolution. Nature Genetics, 2006, 38, 626-635.	21.4	1,201
2	Exome sequencing in amyotrophic lateral sclerosis identifies risk genes and pathways. Science, 2015, 347, 1436-1441.	12.6	823
3	Î±-Synuclein is part of a diverse and highly conserved interaction network that includes PARK9 and manganese toxicity. Nature Genetics, 2009, 41, 308-315.	21.4	501
4	Molecular Determinants and Genetic Modifiers of Aggregation and Toxicity for the ALS Disease Protein FUS/TLS. PLoS Biology, 2011, 9, e1000614.	5.6	396
5	Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. Human Molecular Genetics, 2016, 25, 389-403.	2.9	275
6	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.	6.2	252
7	Genome-wide association study implicates novel loci and reveals candidate effector genes for longitudinal pediatric bone accrual. Genome Biology, 2021, 22, 1.	8.8	239
8	CCNF mutations in amyotrophic lateral sclerosis and frontotemporal dementia. Nature Communications, 2016, 7, 11253.	12.8	174
9	Infant BMI or Weight-for-Length and Obesity Risk in Early Childhood. Pediatrics, 2016, 137, .	2.1	135
10	Exome sequencing to identify de novo mutations in sporadic ALS trios. Nature Neuroscience, 2013, 16, 851-855.	14.8	129
11	A blinded international study on the reliability of genetic testing for GGGGCC-repeat expansions inC9orf72reveals marked differences in results among 14 laboratories. Journal of Medical Genetics, 2014, 51, 419-424.	3.2	118
12	Association Between Linear Growth and Bone Accrual in a Diverse Cohort of Children and Adolescents. JAMA Pediatrics, 2017, 171, e171769.	6.2	112
13	Inhibition of Î±-Synuclein Fibrillization by Dopamine Is Mediated by Interactions with Five C-Terminal Residues and with E83 in the NAC Region. PLoS ONE, 2008, 3, e3394.	2.5	106
14	Genome-scale Capture C promoter interactions implicate effector genes at GWAS loci for bone mineral density. Nature Communications, 2019, 10, 1260.	12.8	101
15	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.	8.6	99
16	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.	3.5	98
17	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. PLoS Genetics, 2020, 16, e1008718.	3.5	95
18	A Dementia-Associated Risk Variant near TMEM106B Alters Chromatin Architecture and Gene Expression. American Journal of Human Genetics, 2017, 101, 643-663.	6.2	87

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19	Bivariate genome-wide association meta-analysis of pediatric musculoskeletal traits reveals pleiotropic effects at the SREBF1/TOM1L2 locus. Nature Communications, 2017, 8, 121.	12.8	82
20	A trans-ancestral meta-analysis of genome-wide association studies reveals loci associated with childhood obesity. Human Molecular Genetics, 2019, 28, 3327-3338.	2.9	76
21	The type 2 diabetes presumed causal variant within TCF7L2 resides in an element that controls the expression of ACSL5. Diabetologia, 2016, 59, 2360-2368.	6.3	68
22	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.	5.5	67
23	The Genetics of Pediatric Obesity. Trends in Endocrinology and Metabolism, 2015, 26, 711-721.	7.1	66
24	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.	2.9	48
25	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.	3.6	48
26	The Role of the Parkinson's Disease Gene PARK9 in Essential Cellular Pathways and the Manganese Homeostasis Network in Yeast. PLoS ONE, 2012, 7, e34178.	2.5	47
27	Mapping effector genes at lupus GWAS loci using promoter Capture-C in follicular helper T cells. Nature Communications, 2020, 11, 3294.	12.8	44
28	Genetics of Bone Mass in Childhood and Adolescence: Effects of Sex and Maturation Interactions. Journal of Bone and Mineral Research, 2015, 30, 1676-1683.	2.8	39
29	Genetic and Epigenetic Fine Mapping of Complex Trait Associated Loci in the Human Liver. American Journal of Human Genetics, 2019, 105, 89-107.	6.2	35
30	Transethnic Evaluation Identifies Low-Frequency Loci Associated With 25-Hydroxyvitamin D Concentrations. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 1380-1392.	3.6	33
31	Genetically Determined Later Puberty Impacts Lowered Bone Mineral Density in Childhood and Adulthood. Journal of Bone and Mineral Research, 2018, 33, 430-436.	2.8	31
32	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.	2.8	30
33	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.	8.9	29
34	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.	2.8	28
35	Biological constraints on GWAS SNPs at suggestive significance thresholds reveal additional BMI loci. ELife, 2021, 10, .	6.0	27
36	Genetic Risk Scores Implicated in Adult Bone Fragility Associate With Pediatric Bone Density. Journal of Bone and Mineral Research, 2016, 31, 789-795.	2.8	24

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37	3D promoter architecture re-organization during iPSC-derived neuronal cell differentiation implicates target genes for neurodevelopmental disorders. Progress in Neurobiology, 2021, 201, 102000.	5.7	24
38	Genetic Discrimination Between LADA and Childhood-Onset Type 1 Diabetes Within the MHC. Diabetes Care, 2020, 43, 418-425.	8.6	23
39	Canonical Notch signaling is required for bone morphogenetic protein-mediated human osteoblast differentiation. Stem Cells, 2020, 38, 1332-1347.	3.2	22
40	Rare EN1 Variants and Pediatric Bone Mass. Journal of Bone and Mineral Research, 2016, 31, 1513-1517.	2.8	20
41	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.	3.6	20
42	Discovery and fine-mapping of height loci via high-density imputation of GWASs in individuals of African ancestry. American Journal of Human Genetics, 2021, 108, 564-582.	6.2	18
43	Genetics of pediatric bone strength. BoneKEy Reports, 2016, 5, 823.	2.7	18
44	Relative Skeletal Maturation and Population Ancestry in Nonobese Children and Adolescents. Journal of Bone and Mineral Research, 2017, 32, 115-124.	2.8	15
45	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.	4.5	15
46	IL-1 Transcriptional Responses to Lipopolysaccharides Are Regulated by a Complex of RNA Binding Proteins. Journal of Immunology, 2020, 204, 1334-1344.	0.8	12
47	Identifying differential regulatory control of APOE É›4 on African versus European haplotypes as potential therapeutic targets. Alzheimer's and Dementia, 2022, 18, 1930-1942.	0.8	12
48	Implicating effector genes at COVID-19 GWAS loci using promoter-focused Capture-C in disease-relevant immune cell types. Genome Biology, 2022, 23, .	8.8	12
49	Cis-regulatory architecture of human ESC-derived hypothalamic neuron differentiation aids in variant-to-gene mapping of relevant complex traits. Nature Communications, 2021, 12, 6749.	12.8	11
50	A Meta-Analysis of the Transferability of Bone Mineral Density Genetic Loci Associations From European to African Ancestry Populations. Journal of Bone and Mineral Research, 2020, 36, 469-479.	2.8	9
51	Multidimensional Bone Density Phenotyping Reveals New Insights Into Genetic Regulation of the Pediatric Skeleton. Journal of Bone and Mineral Research, 2018, 33, 812-821.	2.8	8
52	Leveraging epigenomics and contactomics data to investigate SNP pairs in GWAS. Human Genetics, 2018, 137, 413-425.	3.8	8
53	Genetic potential and height velocity during childhood and adolescence do not fully account for shorter stature in cystic fibrosis. Pediatric Research, 2021, 89, 653-659.	2.3	7
54	A UVB-responsive common variant at chromosome band 7p21.1 confers tanning response and melanoma risk via regulation of the aryl hydrocarbon receptor, AHR. American Journal of Human Genetics, 2021, 108, 1611-1630.	6.2	7

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55	Variant-to-gene-mapping analyses reveal a role for pancreatic islet cells in conferring genetic susceptibility to sleep-related traits. Sleep, 2022, 45, .	1.1	6
56	<scp>CRISPRâ€Cas9</scp>â€“Mediated Genome Editing Confirms <scp>EPDR1</scp> as an Effector Gene at the <scp>BMD GWAS</scp>â€Implicated â€˜<scp>STARD3NL</scp>â€™ Locus. JBMR Plus, 2021, 5, e10531.	2.7	5
57	Postmenopausal osteoporotic fracture-associated COLIA1 variant impacts bone accretion in girls. Bone, 2019, 121, 221-226.	2.9	4
58	Physical Activity and Bone Accretion. Medicine and Science in Sports and Exercise, 2018, 50, 977-986.	0.4	3
59	CYP11B1 variants influence skeletal maturation via alternative splicing. Communications Biology, 2021, 4, 1274.	4.4	3
60	Leveraging putative enhancer-promoter interactions to investigate two-way epistasis in Type 2 Diabetes GWAS. , 2018, , .		2
61	Leveraging putative enhancer-promoter interactions to investigate two-way epistasis in Type 2 Diabetes GWAS. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2018, 23, 548-558.	0.7	2
62	O3â€03â€04: A HIGH RESOLUTION CAPTUREâ€C PROMOTER INTERACTOME IMPLICATES CAUSAL GENES AT ALZHEIMER'S DISEASE GWAS LOCI. Alzheimer's and Dementia, 2018, 14, P1016.	0.8	0
63	Highâ€resolution, genomeâ€wide, promoterâ€focused Capture C in astrocytes implicates causal genes for Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e043368.	0.8	0
64	SUN-LB090 Accounting for Skeletal Maturation in the Assessment of Pediatric Bone Mineral Density. Journal of the Endocrine Society, 2019, 3, .	0.2	0
65	0029 Developing a pipeline for translating genome-wide association signals to behavioral correlates of sleep dysfunction. Sleep, 2022, 45, A13-A13.	1.1	0