

Armand Valsesia

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.

57
papers

8,518
citations

22
h-index

58
g-index

58
ext. papers

9,787
ext. citations

12.6
avg, IF

4.6
L-index

#	Paper	IF	Citations
57	Global variation in copy number in the human genome. <i>Nature</i> , 2006 , 444, 444-54	50.4	3306
56	Origins and functional impact of copy number variation in the human genome. <i>Nature</i> , 2010 , 464, 704-12	50.4	1467
55	Genome-wide association study of CNVs in 16,000 cases of eight common diseases and 3,000 shared controls. <i>Nature</i> , 2010 , 464, 713-20	50.4	639
54	Assessment of transcript reconstruction methods for RNA-seq. <i>Nature Methods</i> , 2013 , 10, 1177-84	21.6	477
53	A new highly penetrant form of obesity due to deletions on chromosome 16p11.2. <i>Nature</i> , 2010 , 463, 671-5	50.4	403
52	Global DNA hypomethylation coupled to repressive chromatin domain formation and gene silencing in breast cancer. <i>Genome Research</i> , 2012 , 22, 246-58	9.7	385
51	Mirror extreme BMI phenotypes associated with gene dosage at the chromosome 16p11.2 locus. <i>Nature</i> , 2011 , 478, 97-102	50.4	322
50	Exome sequencing identifies recurrent somatic MAP2K1 and MAP2K2 mutations in melanoma. <i>Nature Genetics</i> , 2011 , 44, 133-9	36.3	313
49	Genome-wide association study identifies new HLA class II haplotypes strongly protective against narcolepsy. <i>Nature Genetics</i> , 2010 , 42, 786-9	36.3	145
48	Accurate and reliable high-throughput detection of copy number variation in the human genome. <i>Genome Research</i> , 2006 , 16, 1566-74	9.7	122
47	Breaking the waves: improved detection of copy number variation from microarray-based comparative genomic hybridization. <i>Genome Biology</i> , 2007 , 8, R228	18.3	110
46	Analysis of 1508 Plasma Samples by Capillary-Flow Data-Independent Acquisition Profiles Proteomics of Weight Loss and Maintenance. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 1242-1254	7.6	88
45	Proteomic Biomarker Discovery in 1000 Human Plasma Samples with Mass Spectrometry. <i>Journal of Proteome Research</i> , 2016 , 15, 389-99	5.6	67
44	The complex SNP and CNV genetic architecture of the increased risk of congenital heart defects in Down syndrome. <i>Genome Research</i> , 2013 , 23, 1410-21	9.7	48
43	Network-guided analysis of genes with altered somatic copy number and gene expression reveals pathways commonly perturbed in metastatic melanoma. <i>PLoS ONE</i> , 2011 , 6, e18369	3.7	40
42	The Growing Importance of CNVs: New Insights for Detection and Clinical Interpretation. <i>Frontiers in Genetics</i> , 2013 , 4, 92	4.5	38
41	Transcriptome profiling from adipose tissue during a low-calorie diet reveals predictors of weight and glycemic outcomes in obese, nondiabetic subjects. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 736-746	7	36

40	Protein quantitative trait locus study in obesity during weight-loss identifies a leptin regulator. <i>Nature Communications</i> , 2017 , 8, 2084	17.4	36
39	Genome-wide identification of circulating-miRNA expression quantitative trait loci reveals the role of several miRNAs in the regulation of cardiometabolic phenotypes. <i>Cardiovascular Research</i> , 2019 , 115, 1629-1645	9.9	34
38	Rare genomic structural variants in complex disease: lessons from the replication of associations with obesity. <i>PLoS ONE</i> , 2013 , 8, e58048	3.7	27
37	Obesity shows preserved plasma proteome in large independent clinical cohorts. <i>Scientific Reports</i> , 2018 , 8, 16981	4.9	27
36	Genome-wide meta-analysis of common variant differences between men and women. <i>Human Molecular Genetics</i> , 2012 , 21, 4805-15	5.6	24
35	Distinct lipid profiles predict improved glycemic control in obese, nondiabetic patients after a low-caloric diet intervention: the Diet, Obesity and Genes randomized trial. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 566-75	7	21
34	Identification of ALK in Thinness. <i>Cell</i> , 2020 , 181, 1246-1262.e22	56.2	21
33	Apolipoprotein M: a novel adipokine decreasing with obesity and upregulated by calorie restriction. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 1499-1510	7	20
32	Molecular Biomarkers for Weight Control in Obese Individuals Subjected to a Multiphase Dietary Intervention. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 2751-2761	5.6	19
31	Genomic history of the Italian population recapitulates key evolutionary dynamics of both Continental and Southern Europeans. <i>BMC Biology</i> , 2020 , 18, 51	7.3	18
30	Subcutaneous Adipose Tissue and Systemic Inflammation Are Associated With Peripheral but Not Hepatic Insulin Resistance in Humans. <i>Diabetes</i> , 2019 , 68, 2247-2258	0.9	18
29	Plasma lipid profiling of tissue-specific insulin resistance in human obesity. <i>International Journal of Obesity</i> , 2019 , 43, 989-998	5.5	18
28	Copy Number Variation. <i>Methods in Molecular Biology</i> , 2018 , 1793, 231-258	1.4	16
27	Variation in extracellular matrix genes is associated with weight regain after weight loss in a sex-specific manner. <i>Genes and Nutrition</i> , 2015 , 10, 56	4.3	16
26	Metabolic profiling of tissue-specific insulin resistance in human obesity: results from the Diogenes study and the Maastricht Study. <i>International Journal of Obesity</i> , 2020 , 44, 1376-1386	5.5	15
25	Plasma metabolites and lipids predict insulin sensitivity improvement in obese, nondiabetic individuals after a 2-phase dietary intervention. <i>American Journal of Clinical Nutrition</i> , 2018 , 108, 13-23	7	15
24	Identification and validation of copy number variants using SNP genotyping arrays from a large clinical cohort. <i>BMC Genomics</i> , 2012 , 13, 241	4.5	14
23	Endogenous nicotinamide riboside metabolism protects against diet-induced liver damage. <i>Nature Communications</i> , 2019 , 10, 4291	17.4	13

22	Analysis of circulating angiopoietin-like protein 3 and genetic variants in lipid metabolism and liver health: the DiOGenes study. <i>Genes and Nutrition</i> , 2018 , 13, 7	4.3	13
21	Sexual Dimorphism, Age, and Fat Mass Are Key Phenotypic Drivers of Proteomic Signatures. <i>Journal of Proteome Research</i> , 2017 , 16, 4122-4133	5.6	12
20	Genome-wide gene-based analyses of weight loss interventions identify a potential role for NKX6.3 in metabolism. <i>Nature Communications</i> , 2019 , 10, 540	17.4	11
19	GH deficiency status combined with GH receptor polymorphism affects response to GH in children. <i>European Journal of Endocrinology</i> , 2015 , 173, 777-89	6.5	11
18	Rational and design of an overfeeding protocol in constitutional thinness: Understanding the physiology, metabolism and genetic background of resistance to weight gain. <i>Annales D'Endocrinologie</i> , 2016 , 77, 563-569	1.7	11
17	Integrative phenotyping of glycemic responders upon clinical weight loss using multi-omics. <i>Scientific Reports</i> , 2020 , 10, 9236	4.9	9
16	Augmented mitochondrial energy metabolism is an early response to chronic glucose stress in human pancreatic beta cells. <i>Diabetologia</i> , 2020 , 63, 2628-2640	10.3	9
15	Diet-resistant obesity is characterized by a distinct plasma proteomic signature and impaired muscle fiber metabolism. <i>International Journal of Obesity</i> , 2018 , 42, 353-362	5.5	9
14	Salivary Amylase copy number is not associated with weight trajectories and glycemic improvements following clinical weight loss: results from a 2-phase dietary intervention study. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 1029-1037	7	8
13	A fully joint Bayesian quantitative trait locus mapping of human protein abundance in plasma. <i>PLoS Computational Biology</i> , 2020 , 16, e1007882	5	8
12	FADS1 genotype is distinguished by human subcutaneous adipose tissue fatty acids, but not inflammatory gene expression. <i>International Journal of Obesity</i> , 2019 , 43, 1539-1548	5.5	8
11	Fast and Accurate Approaches for Large-Scale, Automated Mapping of Food Diaries on Food Composition Tables. <i>Frontiers in Nutrition</i> , 2018 , 5, 38	6.2	7
10	Network Analysis of Metabolite GWAS Hits: Implication of CPS1 and the Urea Cycle in Weight Maintenance. <i>PLoS ONE</i> , 2016 , 11, e0150495	3.7	7
9	Crosstalk between Drp1 phosphorylation sites during mitochondrial remodeling and their impact on metabolic adaptation. <i>Cell Reports</i> , 2021 , 36, 109565	10.6	5
8	Multiple hot-deck imputation for network inference from RNA sequencing data. <i>Bioinformatics</i> , 2018 , 34, 1726-1732	7.2	3
7	AssociationViewer: a scalable and integrated software tool for visualization of large-scale variation data in genomic context. <i>Bioinformatics</i> , 2009 , 25, 662-3	7.2	3
6	A fully joint Bayesian quantitative trait locus mapping of human protein abundance in plasma		3
5	Untargeted Profiling of Bile Acids and Lysophospholipids Identifies the Lipid Signature Associated with Glycemic Outcome in an Obese Non-Diabetic Clinical Cohort. <i>Biomolecules</i> , 2020 , 10,	5.9	1

4	Differential Mitochondrial Gene Expression in Adipose Tissue Following Weight Loss Induced by Diet or Bariatric Surgery. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, 1312-1324	5.6	1
3	Network analyses reveal negative link between changes in adipose tissue GDF15 and BMI during dietary induced weight loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 ,	5.6	1
2	Clinical- and omics-based models of subclinical atherosclerosis in healthy Chinese adults: a cross-sectional exploratory study. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 1752-1762	7	0
1	Increasing the discovery power of -omics studies. <i>Systems Biomedicine (Austin, Tex)</i> , 2013 , 1, 84-93		